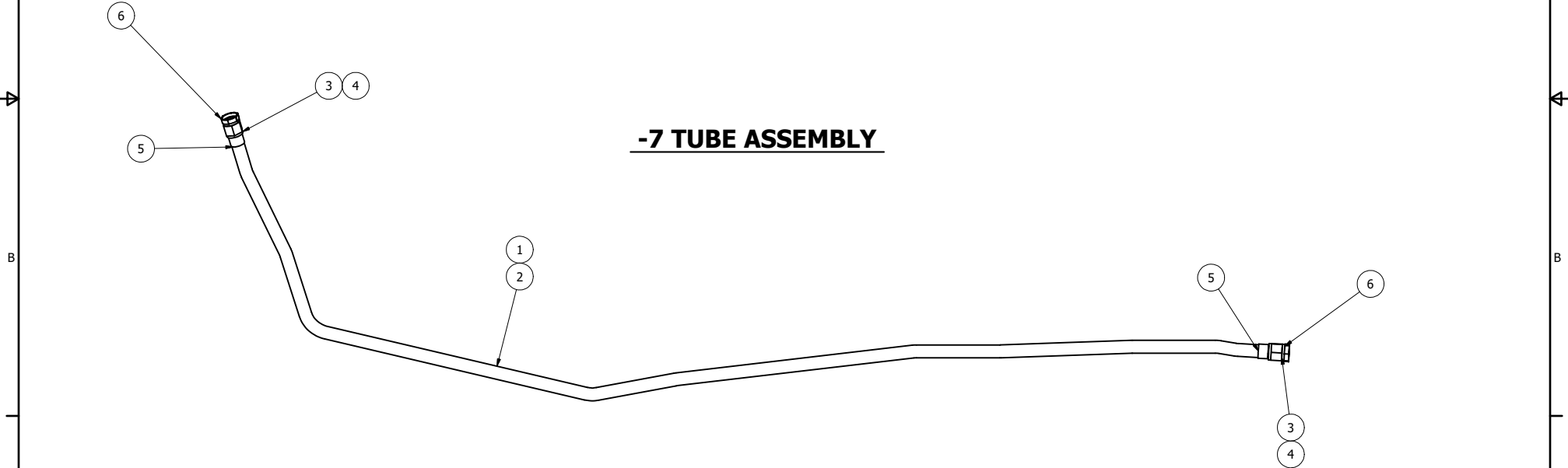


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-3	TUBE
2	1	505AC-5430-6	FIRESLEEVE
3	2	AN818-8D	NUT
4	2	AN819-8D	SLEEVE
5	2	ES39502-2	FERRULE
6	2	PD80	CAPLUG - 1/2" X 3/4-16

NOTE:
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.

DATE		REV	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED
08/17/16	PR3		REMOVED -19 AND -20; UPDATED LENGTH OF -5, -8, -12, -13, -15 AND -16; ADDED -40 ASSY AND -39 TUBE; CHNAGED LAST TWO BEND OF -25.	JT	LS	JT
04/06/17	A		INCREASED LENGTH OF -37, -36 AND -38; DECREASED LENGTH OF -9, -5, AND -8; ADDED -41 AND -44 ASSY; CHANGED ALL FIRESLEEVE TO BH-7; REMOVED -33 ASSY, -32 TUBE AND -34 FIRESLEEVE, -28 ASSY, -23 TUBE AND -31 FIRESLEEVE; ON THE -7, -9, -14, -17 AND -37 TUBE ASSY'S THE ES39500-1 FERRULE WAS CHANGED TO ES39502-2; ON -12 TUBE 6-3/8 IN TABLE CHANGED TO 5-7/16 AND TUBE LENGTH CHANGED FROM 10.20 TO 9.23; CHANGED TUBE DIMESIONS IN TABLE FROM INCHES TO FEET/INCHES; CHANGED LENGTH OF -06 WAS 64.07, -08 WAS 46.30 AND -16 WAS 39.48; ADDED MATERIAL INFO TO -6, -8, -13, -16, -38, -43; -39 TUBE FIRST STRAIGHT LENGTH WAS 1.07, UPDATED TABLE AND OVERALL LENGTH WAS 21.85.	JT	LS	JT
4/20/17	B		-24 FIRST TUBE SEGMENT LENGTH WAS 2.37.	EW	LS	JT
7/19/17	C		REV B AUTHOR WAS ETW, FILLED IN CHECKED BY AND APPROVED INITIALS REVS PR3 TO B.	EW	LS	JT
8/31/17	D		PD-80 CAPLUG ADDED TO -7,-9,-14,-17,-26,-37&-41. PD60 CAPLUG ADDED TO -27 & -30. PD40 CAPLUG ADDED TO -10,-11,-29,-40 & -44	PM	LS	JT
3/29/18	E		UPDATED TUBE LENGTHS TO DECIMAL FORMAT; SHT. 10 -2 REVERSED ORDER OF BENDS; SHT 35-37 ADDED UPDATED ASSEMBLY TO AVOID HARDPOINT	ZA	LS	MH
6/20/18	F		SHT 36 UPDATED BEND 11 TANGENT ANGLE TO CUSTOMER PREFFERED, WAS 148.9 NOW 348.9	ZA	LS	MEH
5/15/19	G		-21 TUBE: FIRST BEND LENGTH CHANGED TO 2.73" WAS 2.88"; -42 TUBE: CORRECTED FINAL DRAWING DIM FROM 1.53" TO 2.40" -43 FIRESLEEVE: CHANGED CUT LENGTH WAS 14.80" NOW 14.37"; -44 ASSY: BOM WAS P/N 505AC-5430-45_A,	ZA	LS	ZA
9/6/19	H		-27 & -30 ASSY: ADDED ALTERNATE 086137 CAP PLUG	ZA	LS	ZA
1/7/21	J		-42 PART: CHANGED DRAWING VIEW AND FIXED LAST SEGMENT DIMENSION WAS 2.40" NOW 2.63", INCORRECT DIM DUE TO PREVIOUS DRAWING VIEW ORIENTATION	ZA	DT	MH
1/4/22	K		ADDED YBC VALUES TO EVERY REFERENCE MANUFACTURING BEND TABLE AND ENSURED BEND ANGLE MATCHED MODEL DIMENSION; -42: REVERTED ALL MODEL DIMENSIONS TO ORIGINAL TUBE MANUFACTURING DIMENSIONS	ZA	DT	ZA



Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		REV K	ECO
3RD ANGLE PROJECTION		SHEET 1 OF 37			

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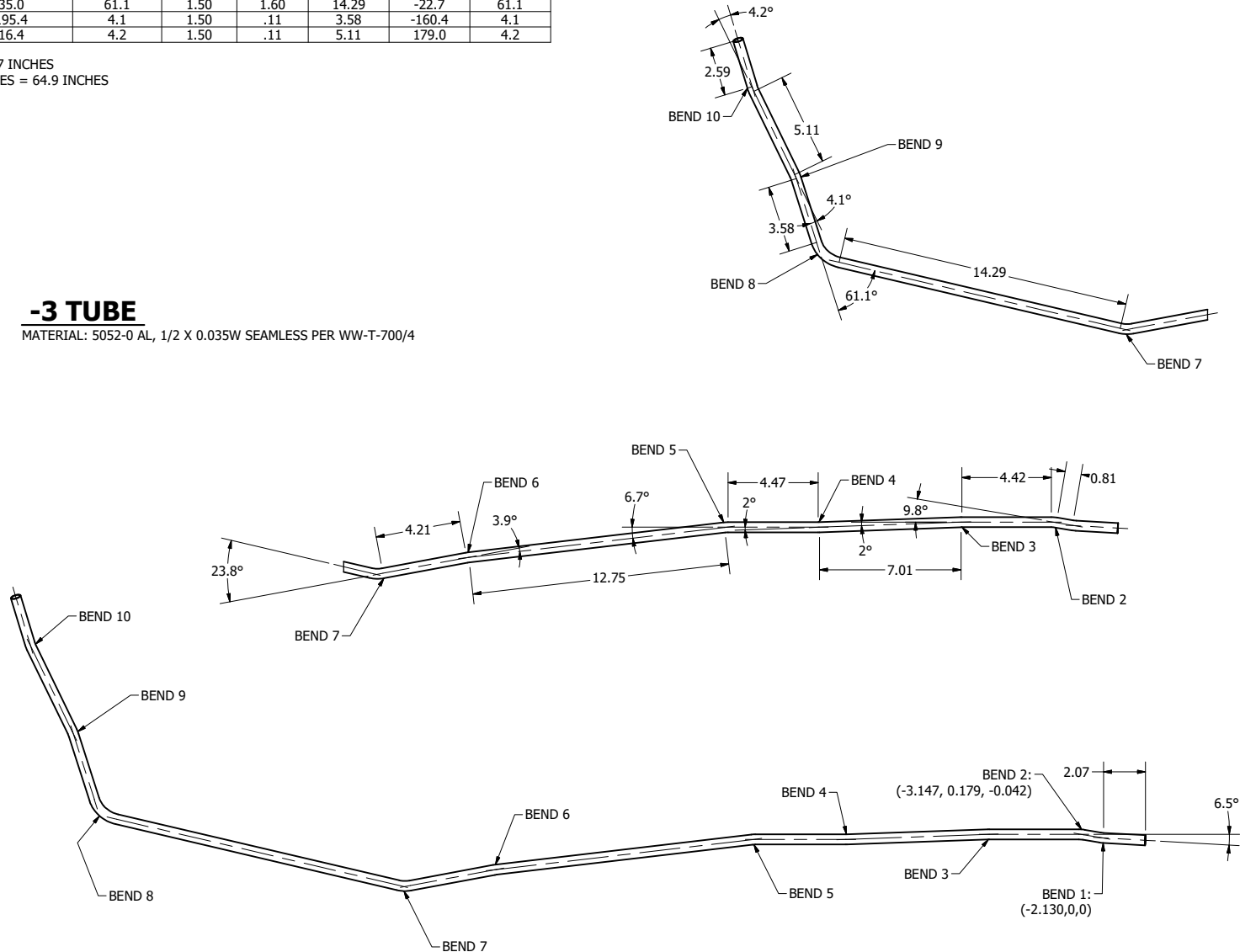
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REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	2.07	0.0	6.5	1.50	0.17	2.07	0	6.5
2	3.05	180.0	9.8	1.50	0.26	0.81	180.0	9.8
3	7.73	193.3	2.0	1.50	0.05	4.42	-13.3	2.0
4	14.79	13.3	2.0	1.50	0.05	7.01	180.0	2.0
5	19.31	193.3	6.7	1.50	0.18	4.47	180.0	6.7
6	32.24	191.3	3.9	1.50	0.10	12.75	2.0	3.9
7	36.55	12.3	23.8	1.50	0.62	4.21	178.7	23.8
8	51.46	35.0	61.1	1.50	1.60	14.29	-22.7	61.1
9	56.70	195.4	4.1	1.50	.11	3.58	-160.4	4.1
10	62.15	16.4	4.2	1.50	.11	5.11	179.0	4.2

FINAL TUBE SEGMENT LENGTH = 2.67 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 64.9 INCHES

-3 TUBE

MATERIAL: 5052-0 AL, 1/2 X 0.035W SEAMLESS PER WW-T-700/4



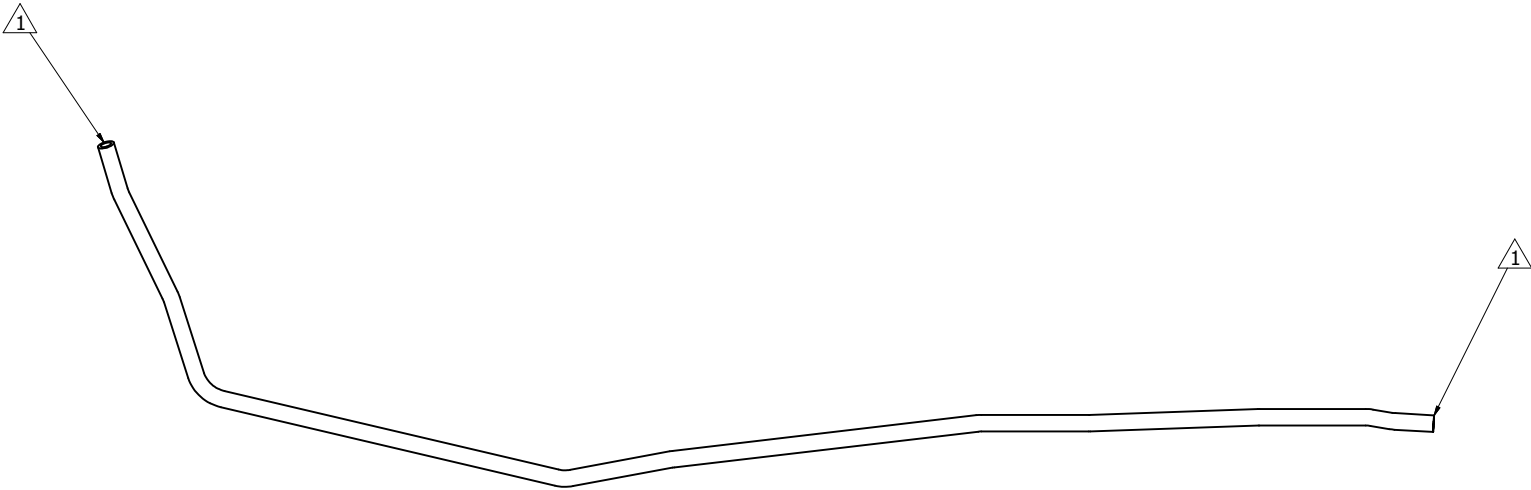
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DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		3RD ANGLE PROJECTION		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.	
PROTO				REV K	ECO 2 OF 37

-6 FIRESLEEVE

MATERIAL:
BH7 OR EQUIV. PER AS1072 AND UL94 V1 BURN TEST.
A FIBERGLASS/SILICONE RUBBER MATERIAL.

CUT LENGTH: 64.30"

- NOTES:
- 1. APPLY END DIP TO FIRESLEEVE ENDS, PARKER P/N 5027 (OR EQUIV.).
 - 2. FIRESLEEVE: BENTLY HARRIS
241 SELSH POOL RD
LOINVILLE, PA. 19353
(610)363-2600



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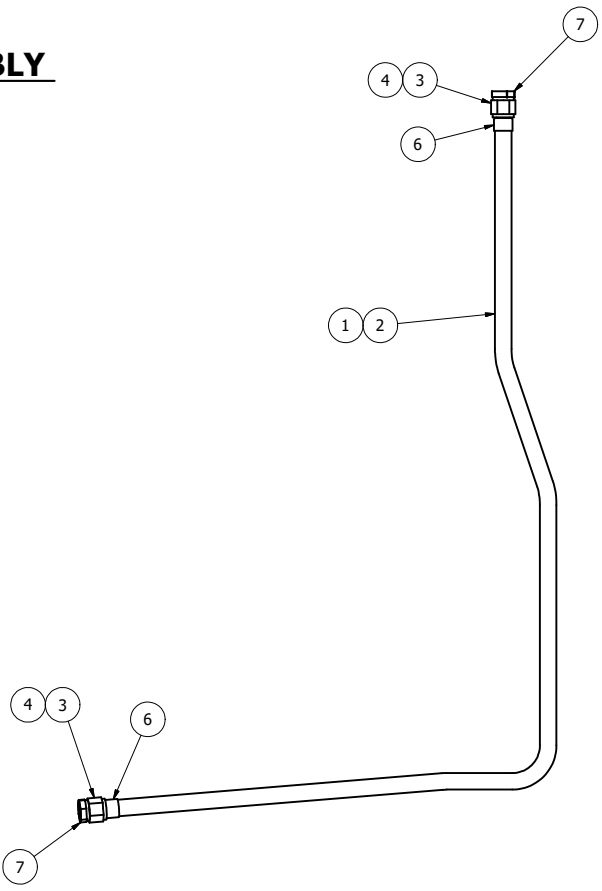
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Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV
.X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		KEW	LS	JT	6/17/16	K
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		SHEET 3 OF 37		
		3RD ANGLE PROJECTION				

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-5	TUBE
2	1	505AC-5430-8	FIRE SLEEVE
3	2	AN818-8D	NUT
4	2	AN819-8D	SLEEVE
6	2	ES39502-2	FERRULE
7	2	PD80	CAPLUG - 1/2" X 3/4-16

NOTE:
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.

-9 TUBE ASSEMBLY



Paravion®
Technology Inc.

DIMENSIONS IN INCHES
TOLERANCES EXCEPT
WHERE NOTED:
.X = ± .1
.XX = ± .05
.XXX = ± .010
ANGLES = ± 1°
THREADS:
INTERNAL CLASS 2B
EXTERNAL CLASS 2A

PROTO

3RD ANGLE
PROJECTION

TITLE
PLUMBING TUBE
ASSEMBLIES

DO NOT SCALE DRAWING
©2022 PARAVION TECH. INC.
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PARAVION TECHNOLOGY INC.

DRAWN
BY
KEW

CHK'D
BY
LS

APRVD.
BY
JT

DATE
6/17/16

REV
K

ECO

DRAWING NUMBER
505AC-5430

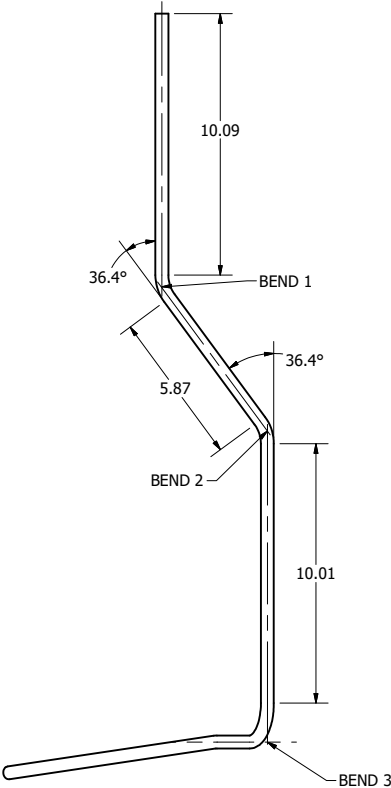
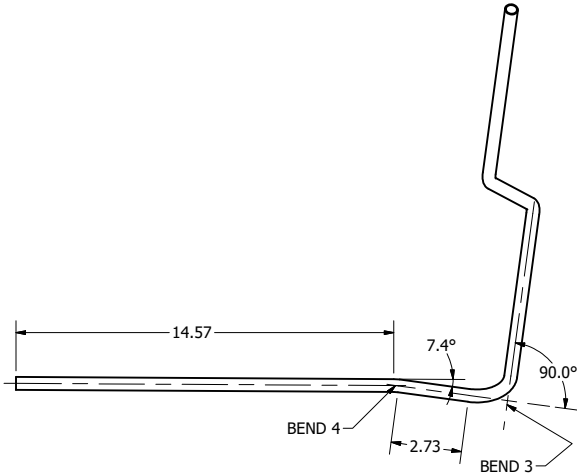
SHEET
4 OF 37

REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	10.09	0.0	36.4	1.50	0.95	10.09	0	36.4
2	16.91	180.0	36.4	1.50	0.95	5.87	180.0	36.4
3	27.88	117.4	90.0	1.50	2.36	10.01	62.6	90.0
4	32.96	246.6	7.4	1.50	0.19	2.73	-129.2	7.4

FINAL TUBE SEGMENT LENGTH = 14.57 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 47.73 INCHES

-5 TUBE

MATERIAL: 5052-0 AL, 1/2 X 0.035W SEAMLESS PER WW-T-700/4



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PROTO

Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV
.X = ± .1		KEW	LS	JT	6/17/16	K
.XX = ± .05						
.XXX = ± .010						
ANGLES = ± 1°						
THREADS:		DO NOT SCALE DRAWING				SHEET
INTERNAL CLASS 2B		©2022 PARAVION TECH. INC.				5 OF 37
EXTERNAL CLASS 2A		PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				

-8 FIRESLEEVE

MATERIAL:
BH7 OR EQUIV. PER AS1072 AND UL94 V1 BURN TEST.
A FIBERGLASS/SILICONE RUBBER MATERIAL.


CUT LENGTH: 47.5"

- NOTES:
- 1. APPLY END DIP TO FIRESLEEVE ENDS, PARKER P/N 5027 (OR EQUIV.).
 - 2. FIRESLEEVE: BENTLY HARRIS
241 SELSH POOL RD
LOINVILLE, PA. 19353
(610)363-2600



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Paravion® Inc. Technology		TITLE PLUMBING TUBE ASSEMBLIES			DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
.X = ± .1		KEW	LS	JT	6/17/16	K	
.XX = ± .05		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				SHEET 6 OF 37	
.XXX = ± .010							
ANGLES=± 1°		 3RD ANGLE PROJECTION					
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A							

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-4	TUBE
2	2	AN818-4D	NUT
3	2	AN819-4D	SLEEVE
4	2	PD40	CAPLUG - 1/4" X 7/16-20

NOTE:
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.

-10 TUBE ASSEMBLY



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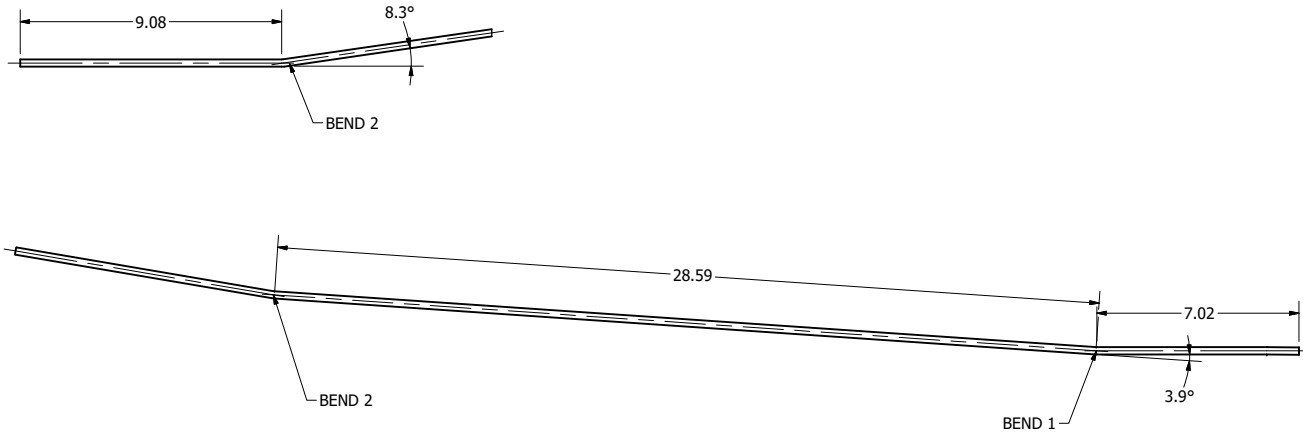
Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		3RD ANGLE PROJECTION		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		SHEET 7 OF 37

REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	7.02	0.0	3.9	0.50	0.03	7.02	0	3.9
2	35.64	314.1	8.3	0.50	0.07	28.59	45.9	8.3

FINAL TUBE SEGMENT LENGTH = 9.08 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 44.80 INCHES

-4 TUBE

MATERIAL: 5052-0 AL, 1/4 X 0.035W SEAMLESS PER WW-T-700/4



Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1° THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K
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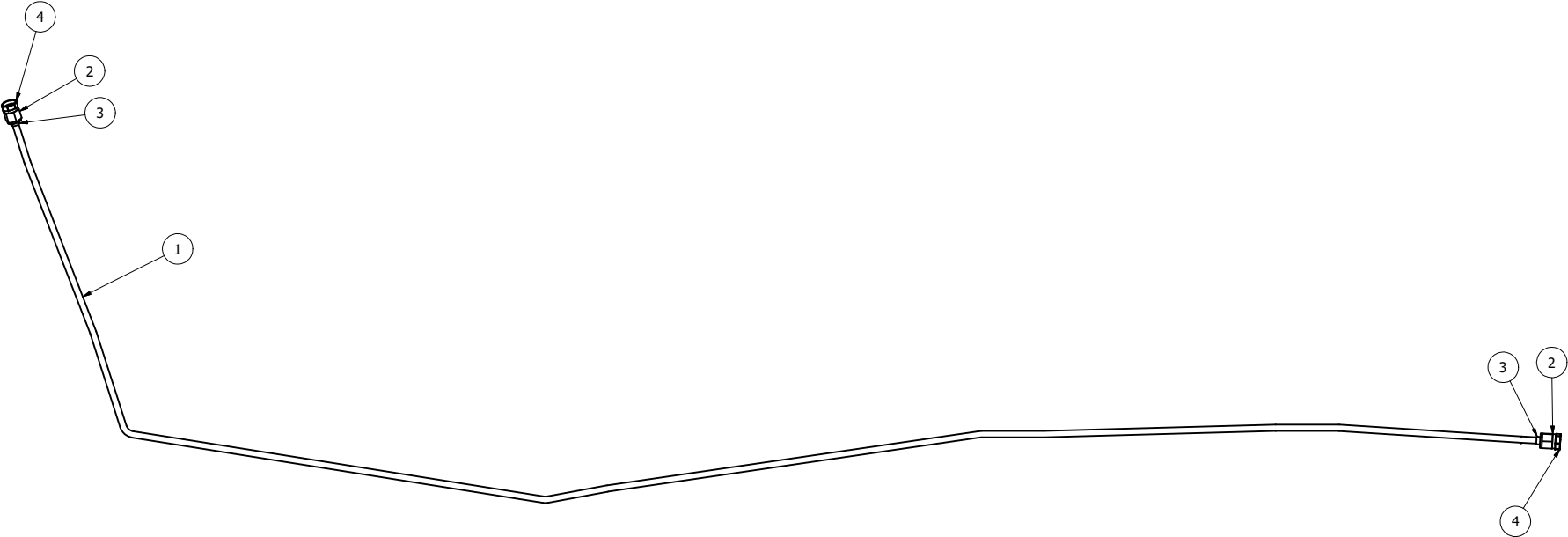
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PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-2	TUBE
2	2	AN818-4D	NUT
3	2	AN819-4D	SLEEVE
4	2	PD40	CAPLUG - 1/4" X 7/16-20

NOTE:
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.

-11 TUBE ASSEMBLY



Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		3RD ANGLE PROJECTION		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		
				SHEET 9 OF 37		

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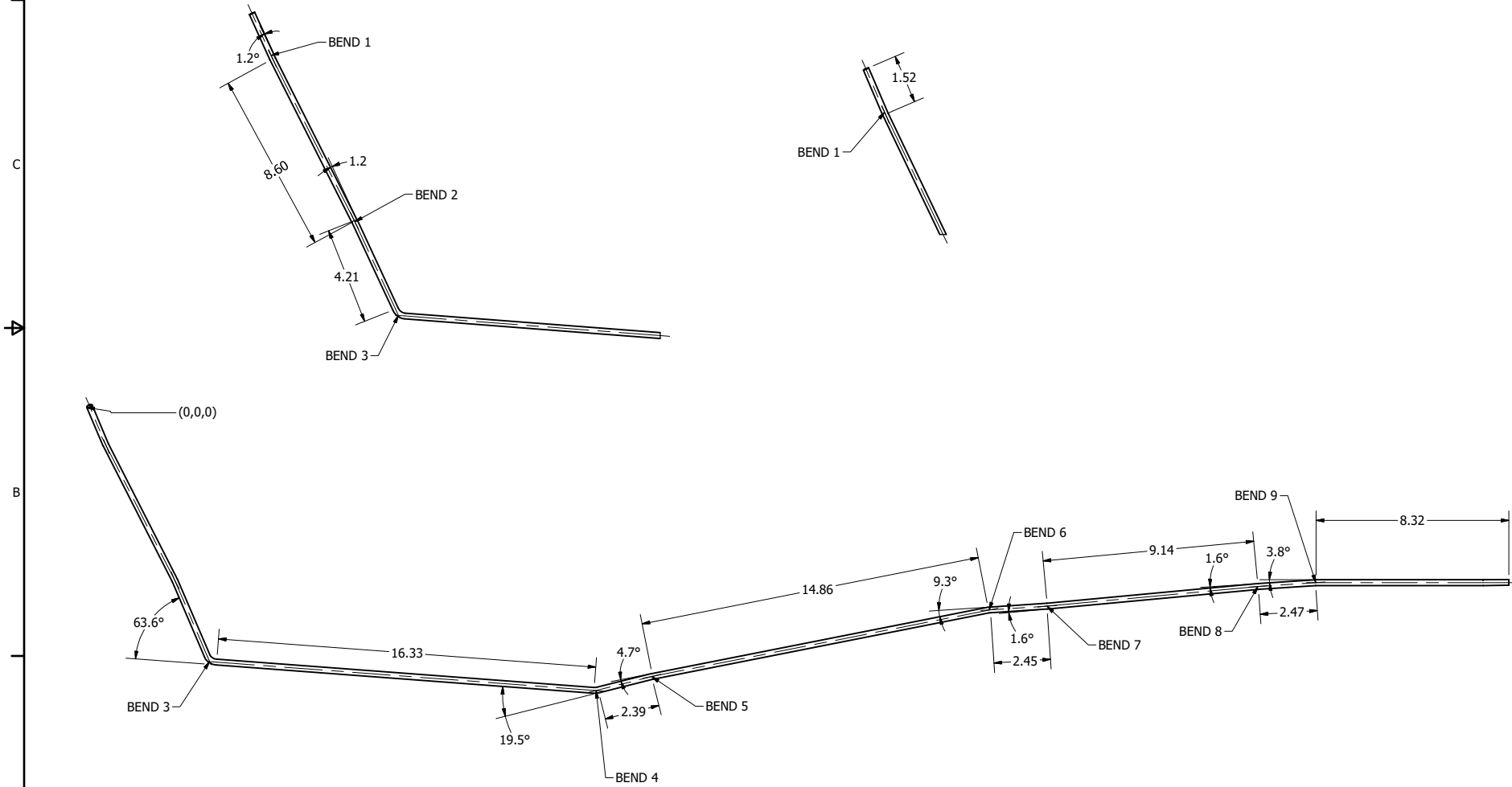
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REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	1.52	0.00	1.20	0.50	0.01	1.52	0	1.2
2	10.13	180.00	1.20	0.50	0.01	8.60	180	1.2
3	14.32	28.10	63.60	0.50	0.56	4.21	151.9	63.6
4	31.31	38.40	19.50	0.50	0.17	16.33	-10.3	19.5
5	33.87	293.80	4.70	0.50	0.04	2.39	104.6	4.7
6	48.77	204.80	9.30	0.50	0.08	14.86	89.0	9.3
7	51.30	51.70	1.60	0.50	0.01	2.45	153.1	1.6
8	60.45	231.70	1.60	0.50	0.01	9.14	180	1.6
9	62.94	245.00	3.80	0.50	0.03	2.47	-13.3	3.8

FINAL TUBE SEGMENT LENGTH = 8.32
TOTAL TUBE LENGTH WITHOUT FLARES = 71.3 INCHES

-2 TUBE

MATERIAL: 5052-0 AL, 1/4 X 0.035W SEAMLESS PER WW-T-700/4



Paravion® Technology Inc. DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1'		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430	
THREADED: INTERNAL CLASS 2B EXTERNAL CLASS 2A	3RD ANGLE PROJECTION	DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.	REV K	ECO 10 OF 37	DATE 6/17/16

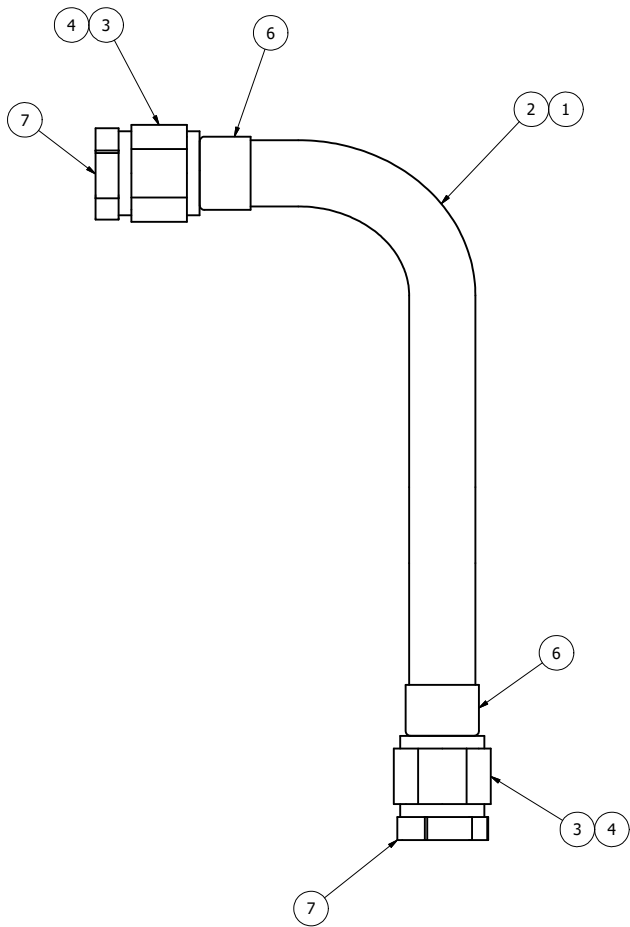
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PROTO

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-12	TUBE
2	1	505AC-5430-13	FIRE SLEEVE
3	2	AN818-8D	NUT
4	2	AN819-8D	SLEEVE
6	2	ES39502-2	FERRULE
7	2	PD80	CAPLUG - 1/2" X 3/4-16

NOTE:
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.

-14 TUBE ASSEMBLY



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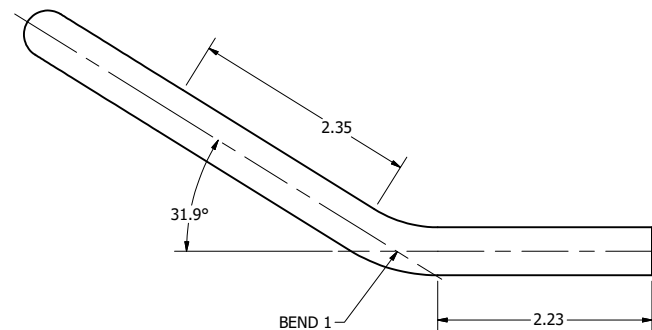
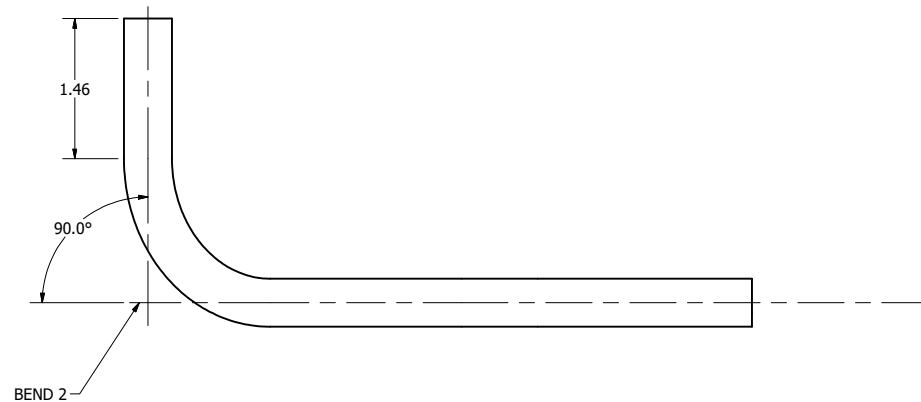
Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES			DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K	ECO
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING 3RD ANGLE PROJECTION		SHEET 11 OF 37			
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REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	2.23	0.0	31.9	1.50	0.84	2.23	0	31.9
2	5.42	270.0	90.0	1.50	2.36	2.35	90.0	90.0

FINAL TUBE SEGMENT LENGTH = 1.46 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 9.23 INCHES

-12 TUBE

MATERIAL: 5052-0 AL, 1/2 X 0.035W SEAMLESS PER WW-T-700/4



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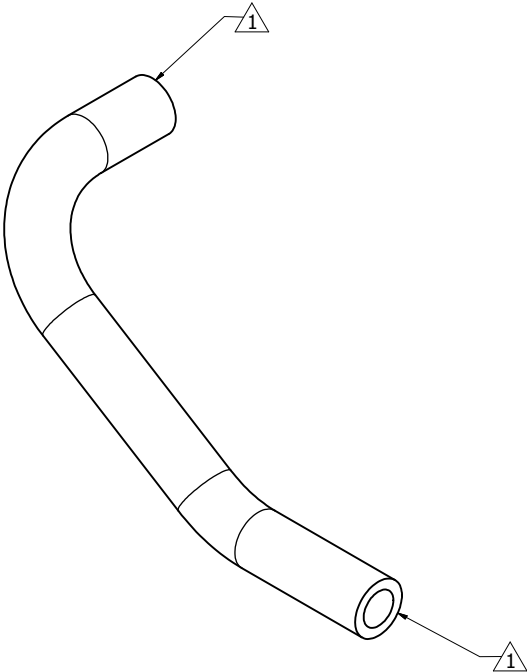
Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES			DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1° THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K	ECO
		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				SHEET 12 OF 37	

-13 FIRESLEEVE

MATERIAL:
BH7 OR EQUIV. PER AS1072 AND UL94 V1 BURN
TEST. A FIBERGLASS/SILICONE RUBBER MATERIAL.

CUT LENGTH: 8.31"

- NOTES:
- 1. APPLY END DIP TO FIRESLEEVE ENDS, PARKER P/N 5027 (OR EQUIV.).
 - 2. FIRESLEEVE: BENTLY HARRIS
241 SELSH POOL RD
LOINVILLE, PA. 19353
(610)363-2600



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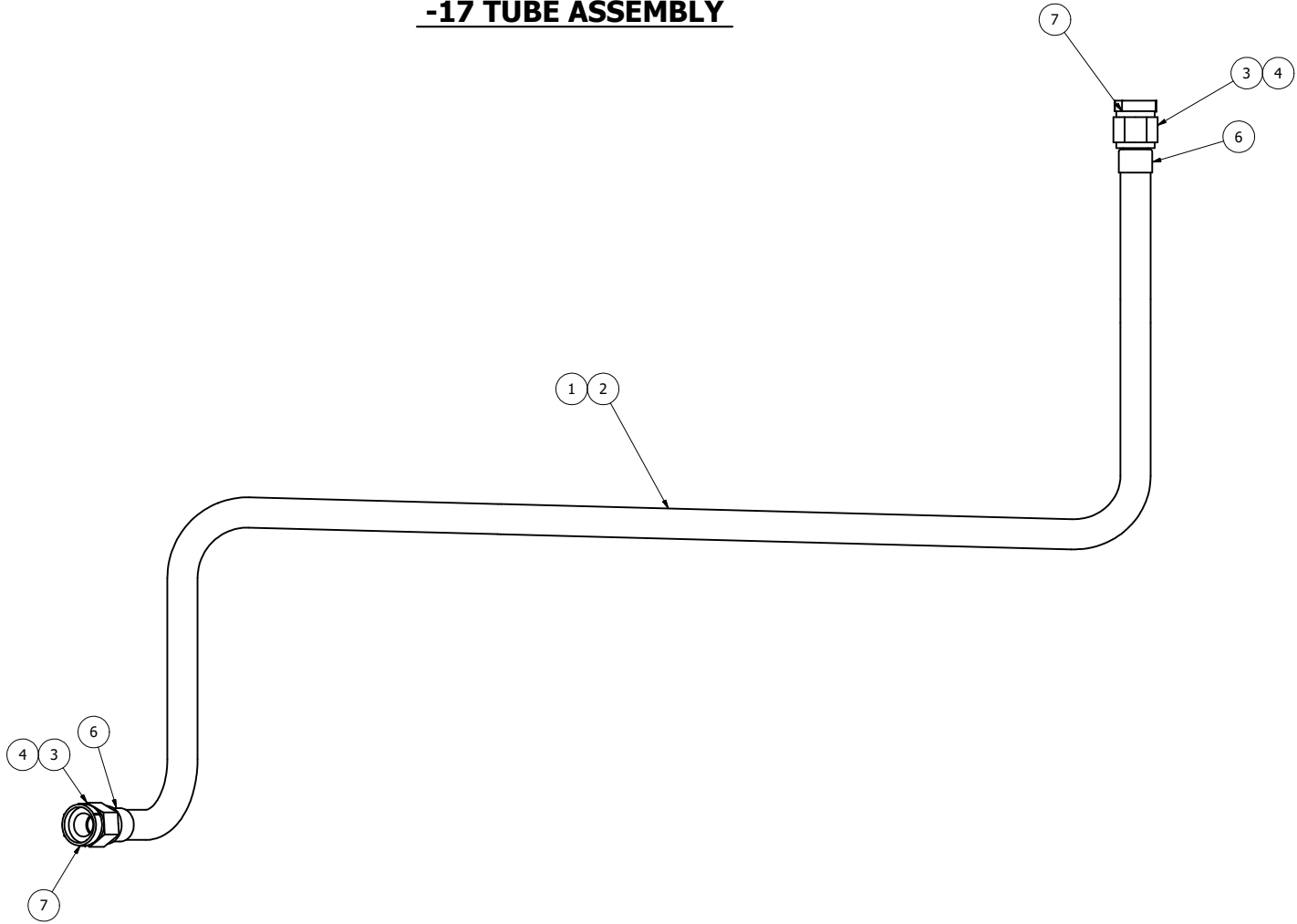
PROTO

Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY	CHK'D BY	APRVD. BY	DATE
.X = ± .1		KEW	LS	JT	6/17/16
.XX = ± .05		DO NOT SCALE DRAWING		REV	ECO
.XXX = ± .010		©2022 PARAVION TECH. INC.		K	
ANGLES=± 1°		PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		SHEET 13 OF 37	
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		3RD ANGLE PROJECTION			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-15	TUBE
2	1	505AC-5430-16	FIRE SLEEVE
3	2	AN818-8D	NUT
4	2	AN819-8D	SLEEVE
6	2	ES39502-2	FERRULE
7	2	PD80	CAPLUG - 1/2" X 3/4-16

NOTE:
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.

-17 TUBE ASSEMBLY



Paravion®
Technology Inc.

DIMENSIONS IN INCHES
TOLERANCES EXCEPT
WHERE NOTED:
.X = ± .1
.XX = ± .05
.XXX = ± .010
ANGLES = ± 1°
THREADS:
INTERNAL CLASS 2B
EXTERNAL CLASS 2A

TITLE PLUMBING TUBE ASSEMBLIES				DRAWING NUMBER 505AC-5430	
DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K	ECO
3RD ANGLE PROJECTION				SHEET 14 OF 37	

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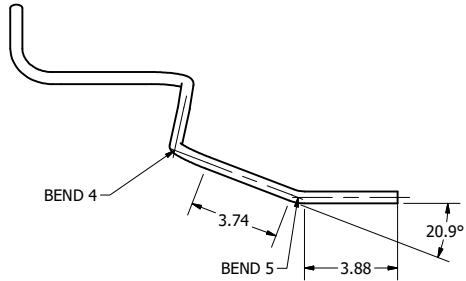
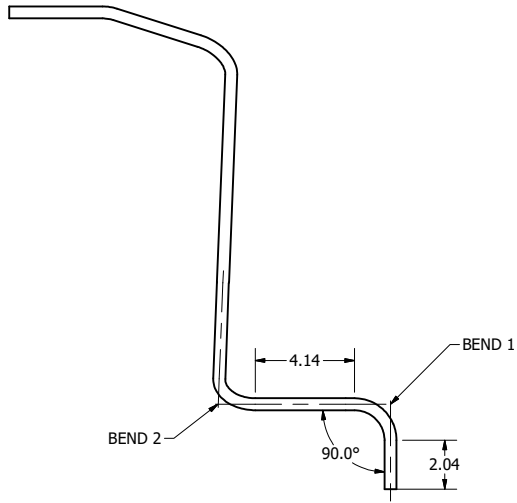
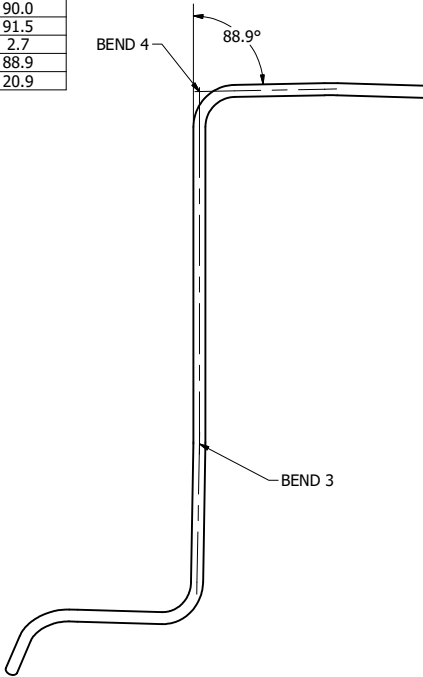
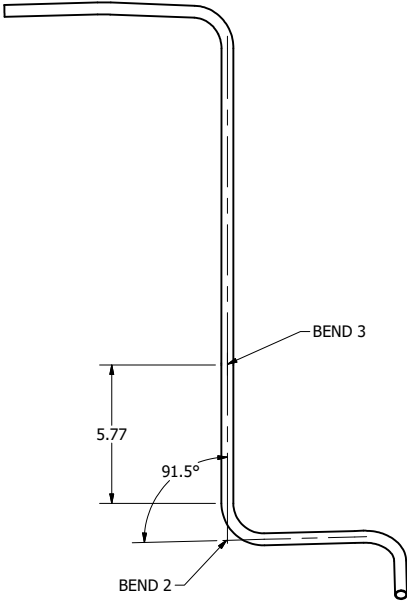
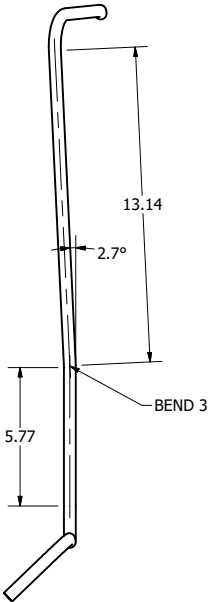
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REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	2.04	0.0	90.0	1.50	2.36	2.04	0	90.0
2	8.54	226.2	91.5	1.50	2.40	4.14	133.8	91.5
3	16.70	315.9	2.7	1.50	0.07	5.77	-89.7	2.7
4	29.91	66.9	88.9	1.50	2.33	13.14	-111	88.9
5	35.98	343.9	20.9	1.50	0.55	3.74	83	20.9

FINAL TUBE SEGMENT LENGTH = 3.88 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 40.41 INCHES

-15 TUBE

MATERIAL: 5052-0 AL, 1/2 X 0.035W SEAMLESS PER WW-T-700/4



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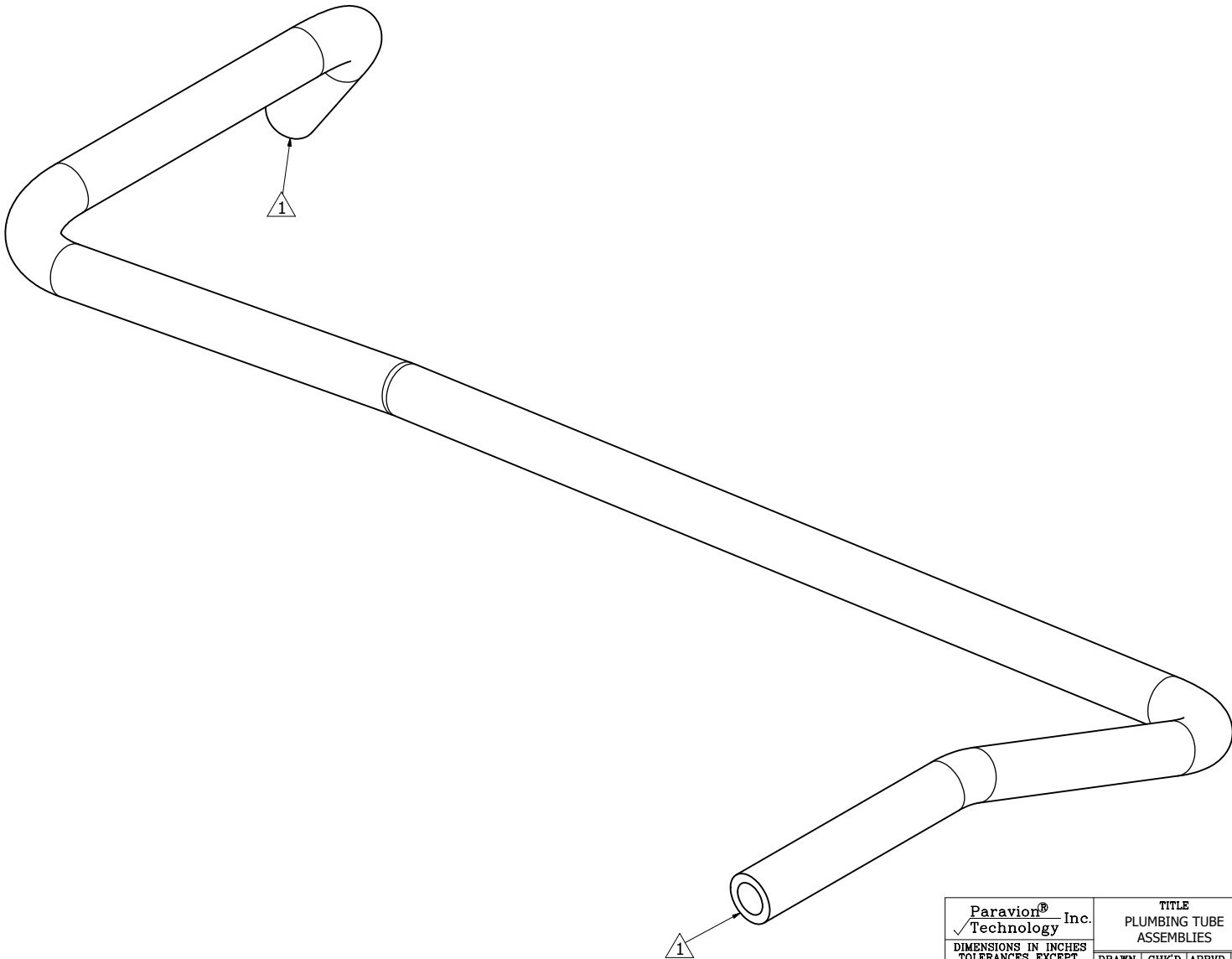
Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1° THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K
3RD ANGLE PROJECTION		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				SHEET 15 OF 37

-16 FIRESLEEVE

MATERIAL:
BH7 OR EQUIV. PER AS1072 AND UL94 V1 BURN
TEST. A FIBERGLASS/SILICONE RUBBER MATERIAL.

CUT LENGTH: 40.48"

- NOTES:
1. APPLY END DIP TO FIRESLEEVE ENDS, PARKER P/N 5027 (OR EQUIV.).
 2. FIRESLEEVE: BENTLY HARRIS
241 SELSH POOL RD
LOINVILLE, PA. 19353
(610)363-2600



1

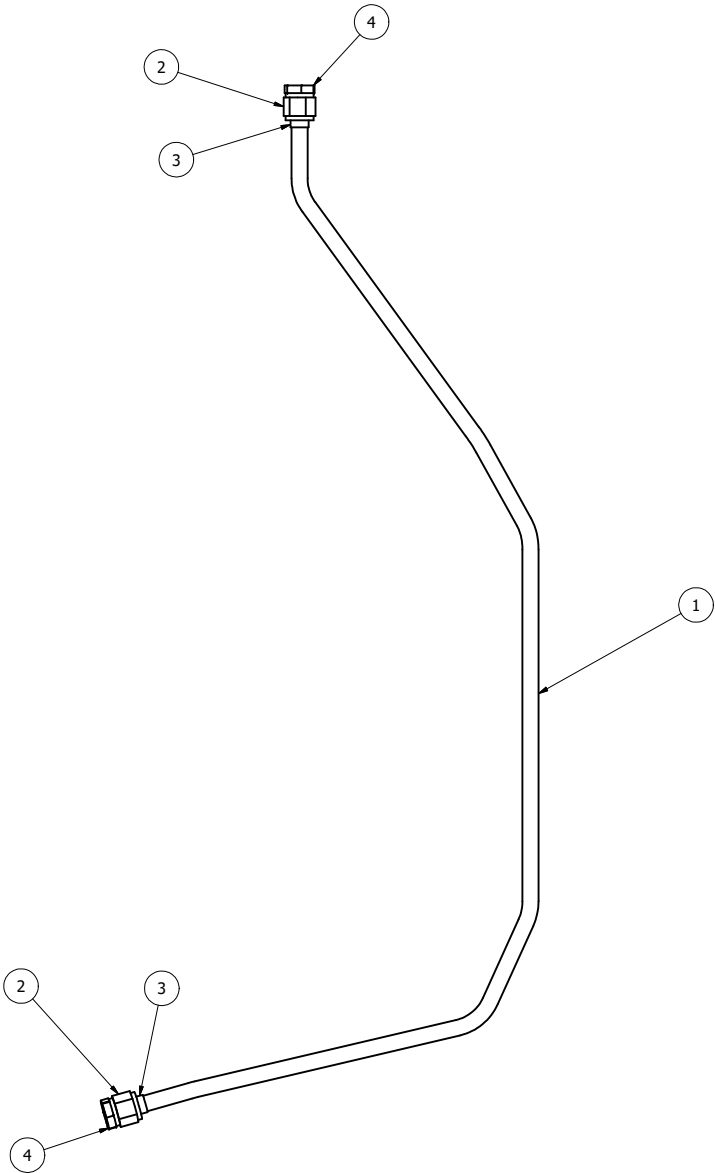
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DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		SHEET 16 OF 37		

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-25	TUBE
2	2	AN818-8D	NUT
3	2	AN819-8D	SLEEVE
4	2	PD80	CAPLUG - 1/2" X 3/4-16

NOTE:
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.



-26 TUBE ASSEMBLY

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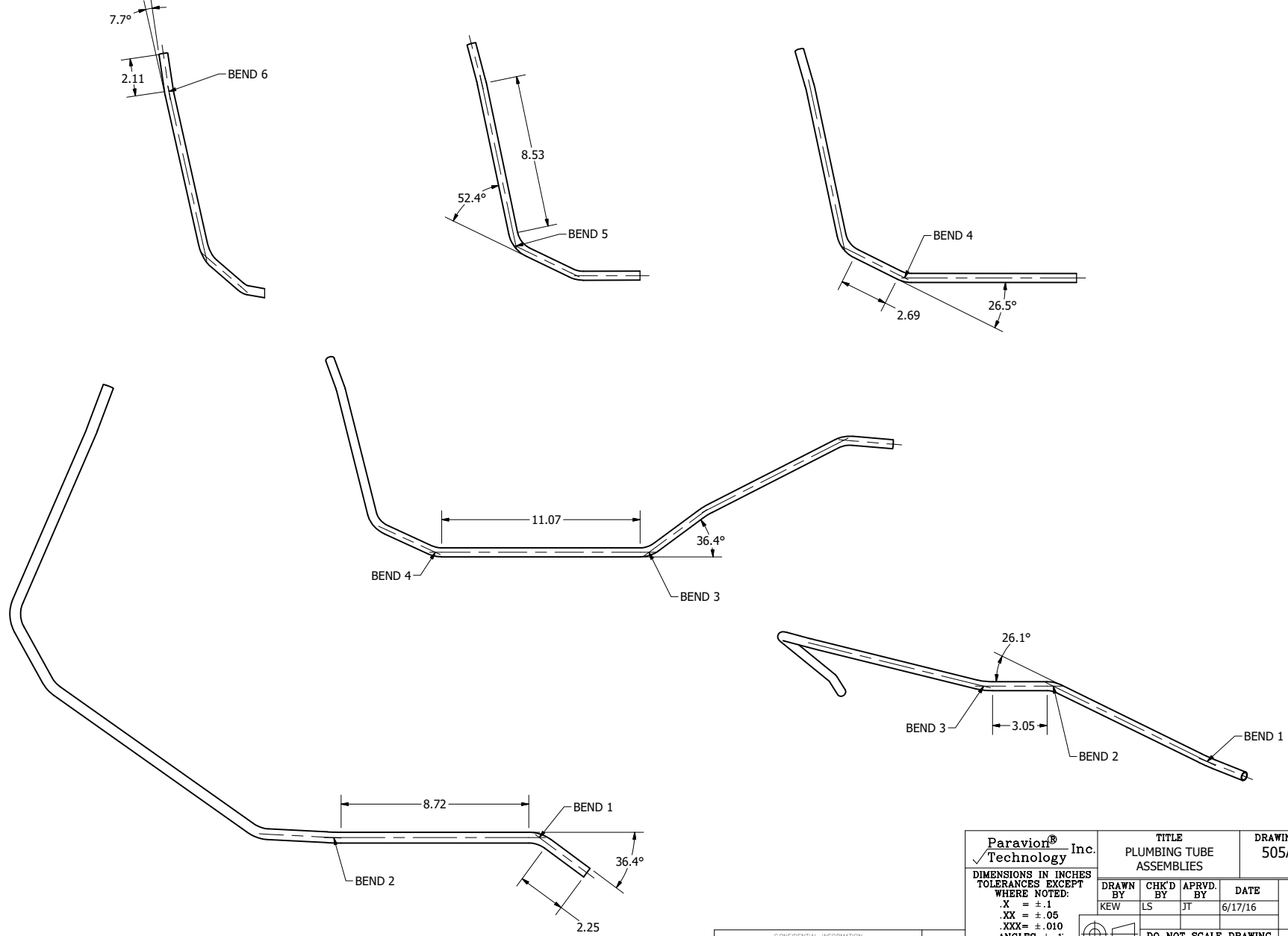
Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING 3RD ANGLE PROJECTION		SHEET 17 OF 37		
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REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	2.25	0.0	36.4	1.50	0.95	2.25	0	36.4
2	11.92	96.0	26.1	1.50	0.68	8.72	-96.0	26.1
3	15.66	205.6	36.4	1.50	0.95	3.05	-109.6	36.4
4	27.68	182.8	26.5	1.50	0.69	11.07	22.8	26.5
5	31.06	168.7	52.4	1.50	1.37	2.69	14.1	52.4
6	40.96	56.2	7.7	1.50	0.20	8.53	112.5	7.7

FINAL TUBE SEGMENT LENGTH = 2.11 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 43.3 INCHES

-25 TUBE

MATERIAL: 5052-0 AL, 1/2 X 0.035W SEAMLESS PER WW-T-700/4

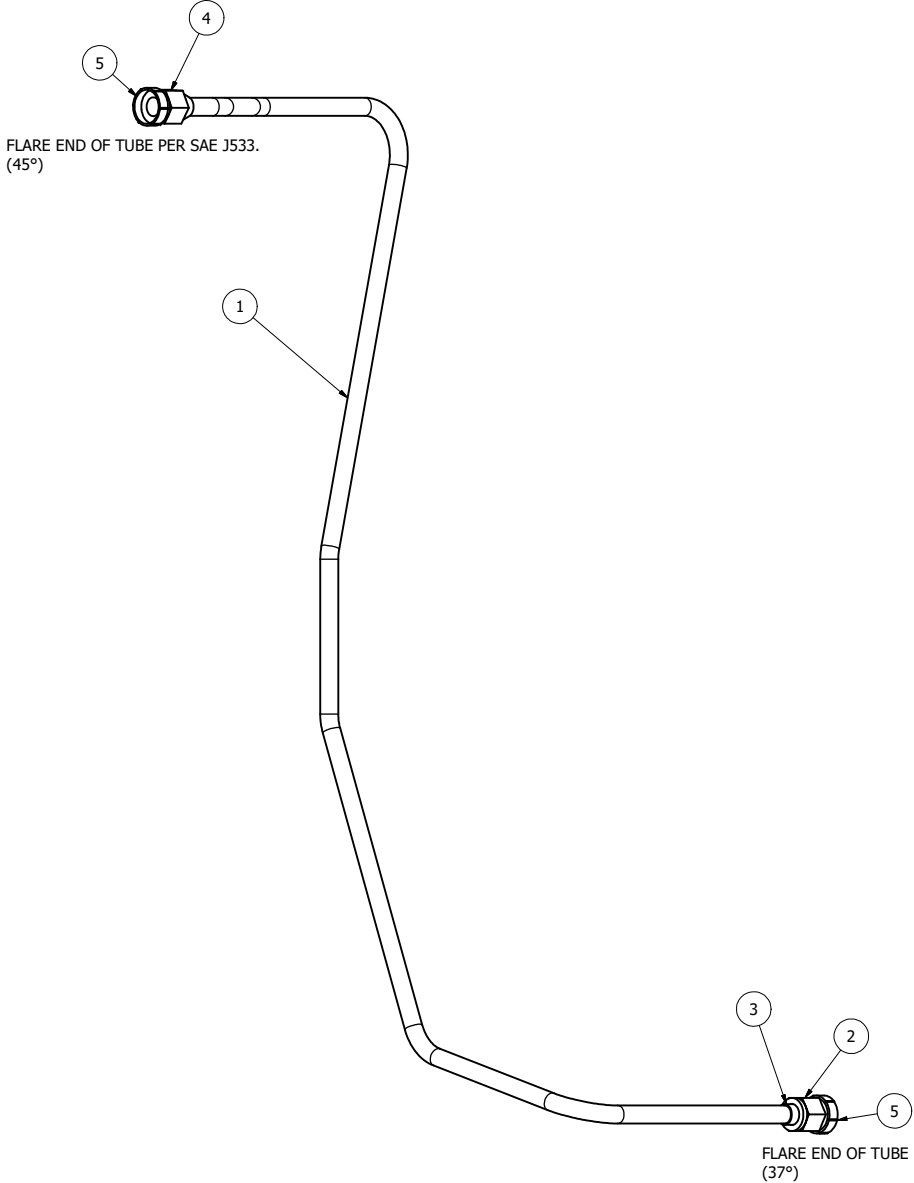


Paravion® Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K
X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DO NOT SCALE DRAWING		SHEET 18 OF 37		
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		3RD ANGLE PROJECTION		©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		

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PROTO

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-24	TUBE
2	1	AN818-6D	FLARED NUT
3	1	AN819-6D	SLEEVE
4	1	ES43100-2	FLARE NUT 45°
5	2	PD60	CAPLUG 3/8" X 9/16-18 (ALT: 086137)



-27 TUBE ASSEMBLY

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PROTO

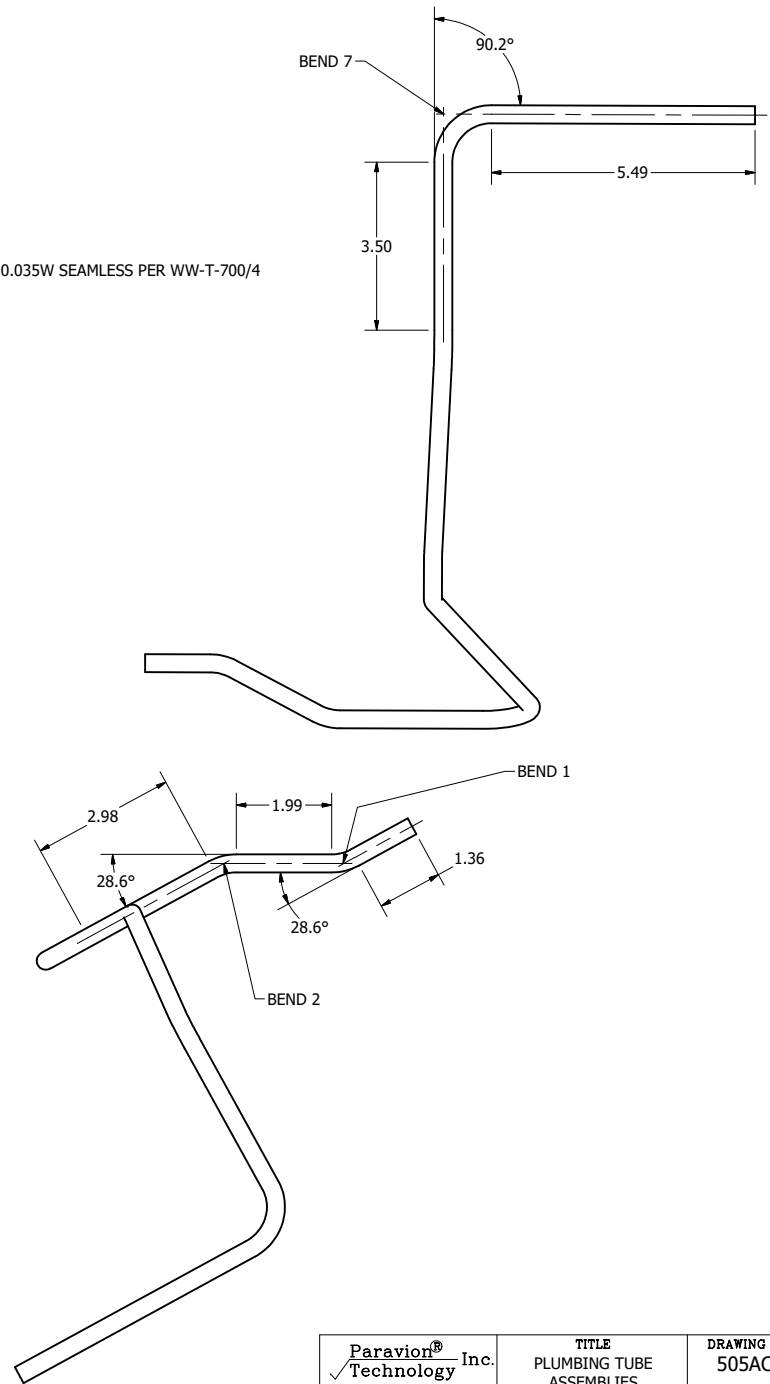
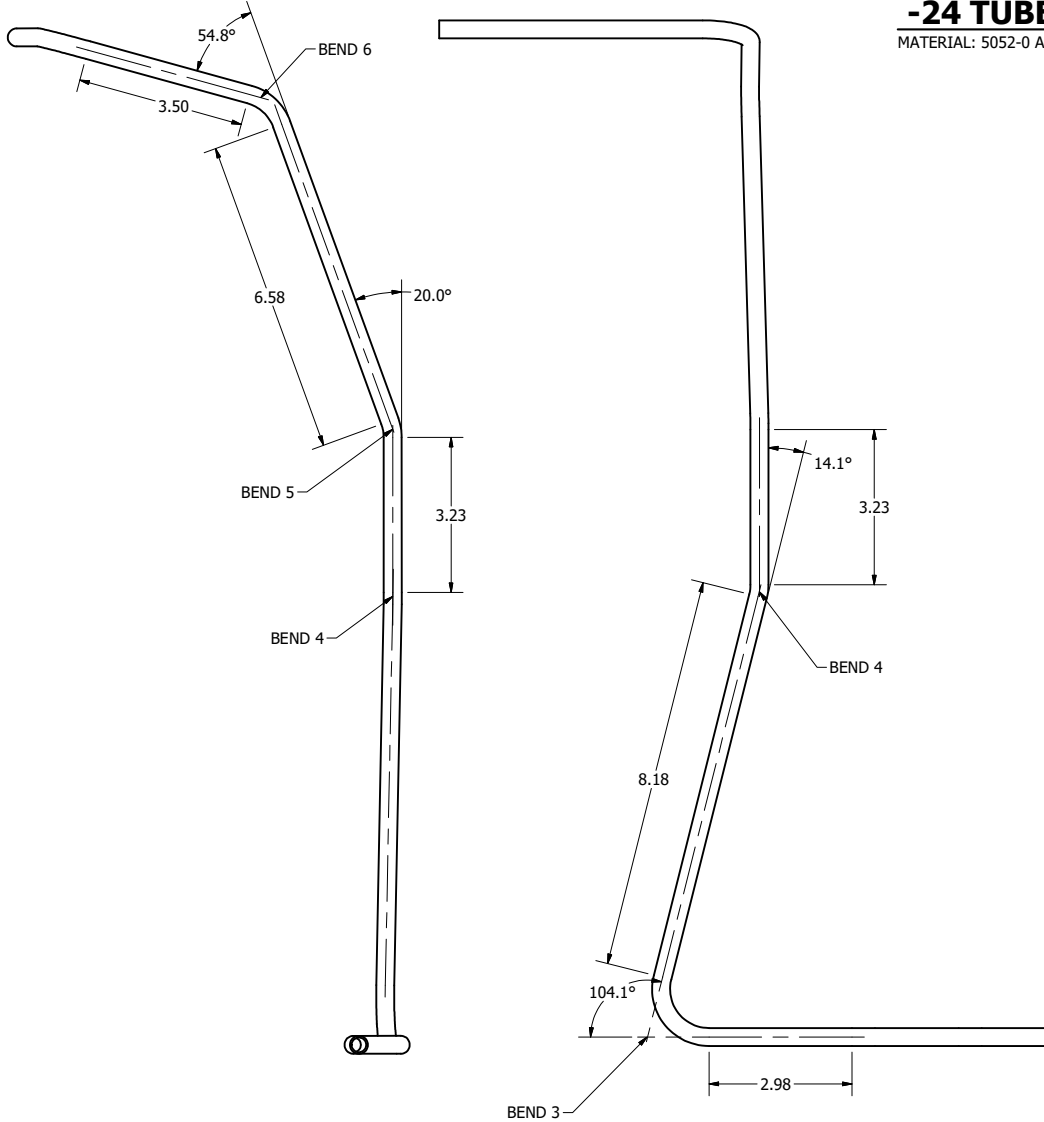
Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1° THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16
		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		REV K	ECO SHEET 19 OF 37

REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	1.36	0.0	28.6	1.00	0.50	1.36	0	28.6
2	3.85	180.0	28.6	1.00	0.50	1.99	180	28.6
3	7.33	90.0	104.1	1.00	1.82	2.98	90	104.1
4	17.33	270.0	14.1	1.00	0.25	8.18	180	14.1
5	20.80	184.6	20.0	1.00	0.35	3.23	85.4	20.0
6	27.73	178.9	54.8	1.00	0.96	6.58	5.7	54.8
7	32.19	271.0	90.2	1.00	1.57	3.5	-92.1	90.2

FINAL TUBE SEGMENT LENGTH = 5.49 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 39.30 INCHES

-24 TUBE

MATERIAL: 5052-0 AL, 3/8 X 0.035W SEAMLESS PER WW-T-700/4



Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		SHEET 20 OF 37		

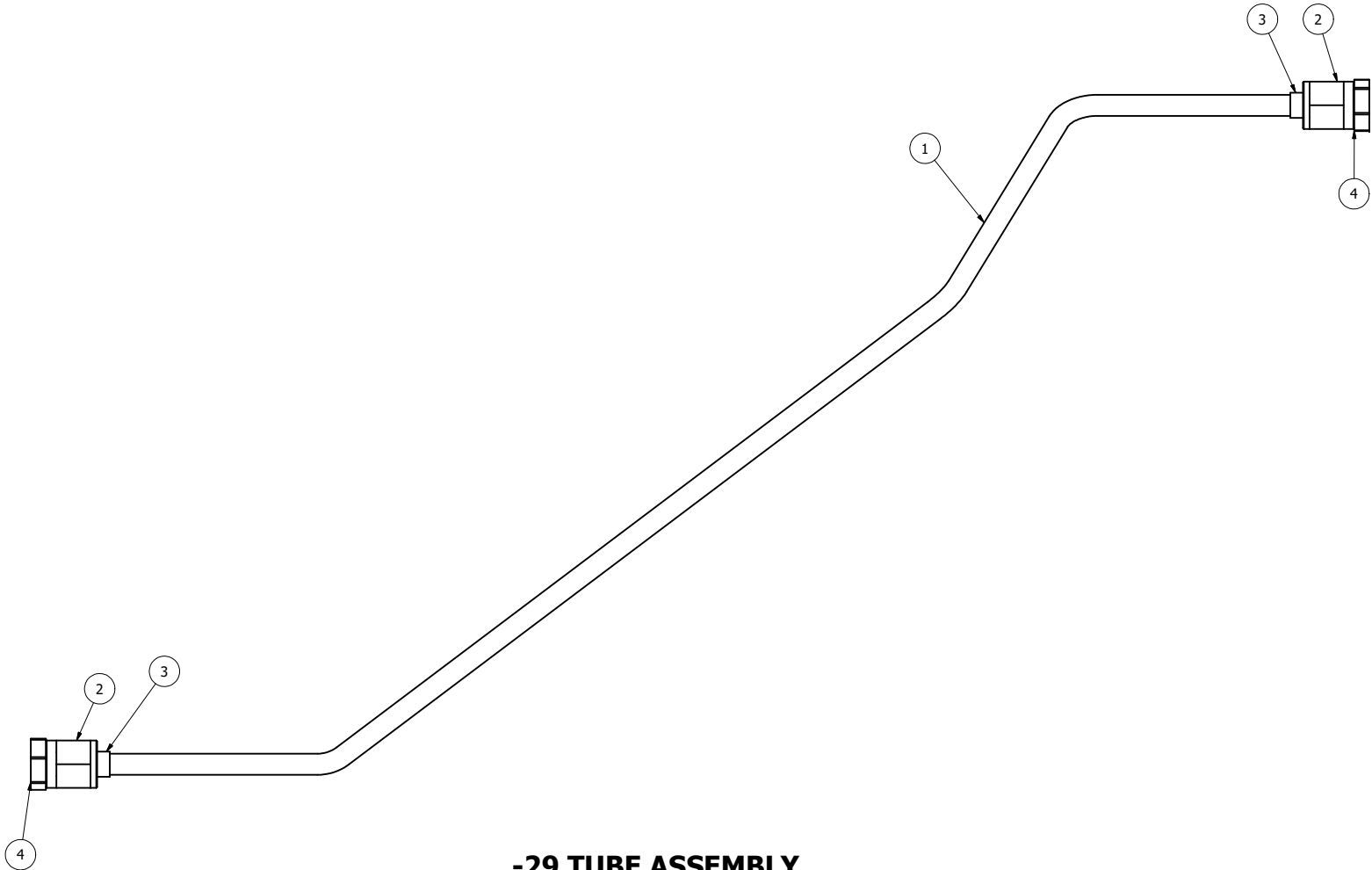
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PROTO



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-22	TUBE
2	2	AN818-4D	NUT
3	2	AN819-4D	SLEEVE
4	2	PD40	CAPLUG - 1/4" X 7/16-20

NOTE:
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.



-29 TUBE ASSEMBLY

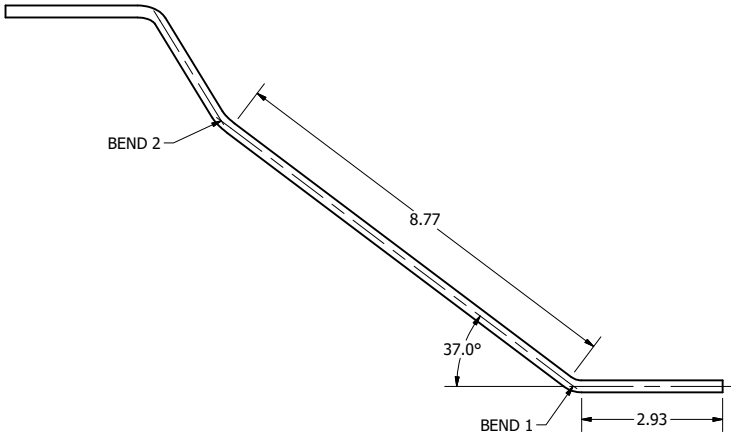
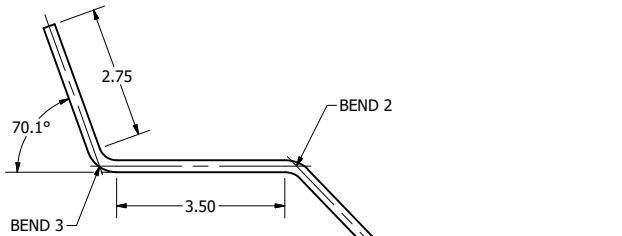
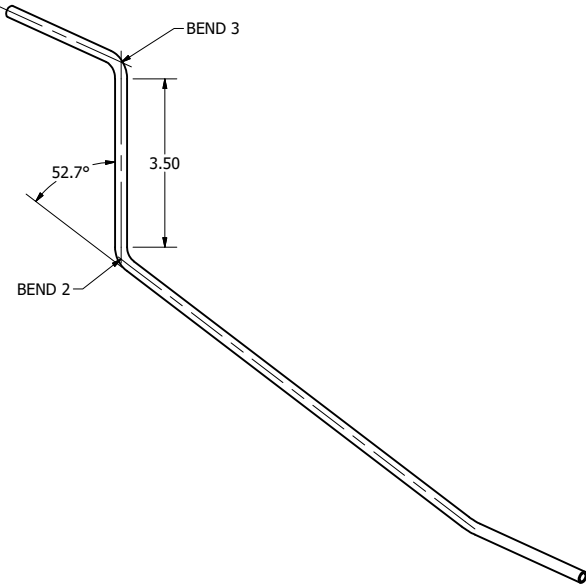
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Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		3RD ANGLE PROJECTION		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		
				SHEET 21 OF 37		

REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	2.93	0.0	37.0	0.50	0.32	2.93	0	37.0
2	12.03	287.5	52.7	0.50	0.46	8.77	72.5	52.7
3	15.99	142.5	70.1	0.50	0.61	3.50	145.0	70.1

FINAL TUBE SEGMENT LENGTH = 2.75 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 19.4 INCHES



-22 TUBE
MATERIAL: 5052-0 AL, 1/4 X 0.035W SEAMLESS PER WW-T-700/4

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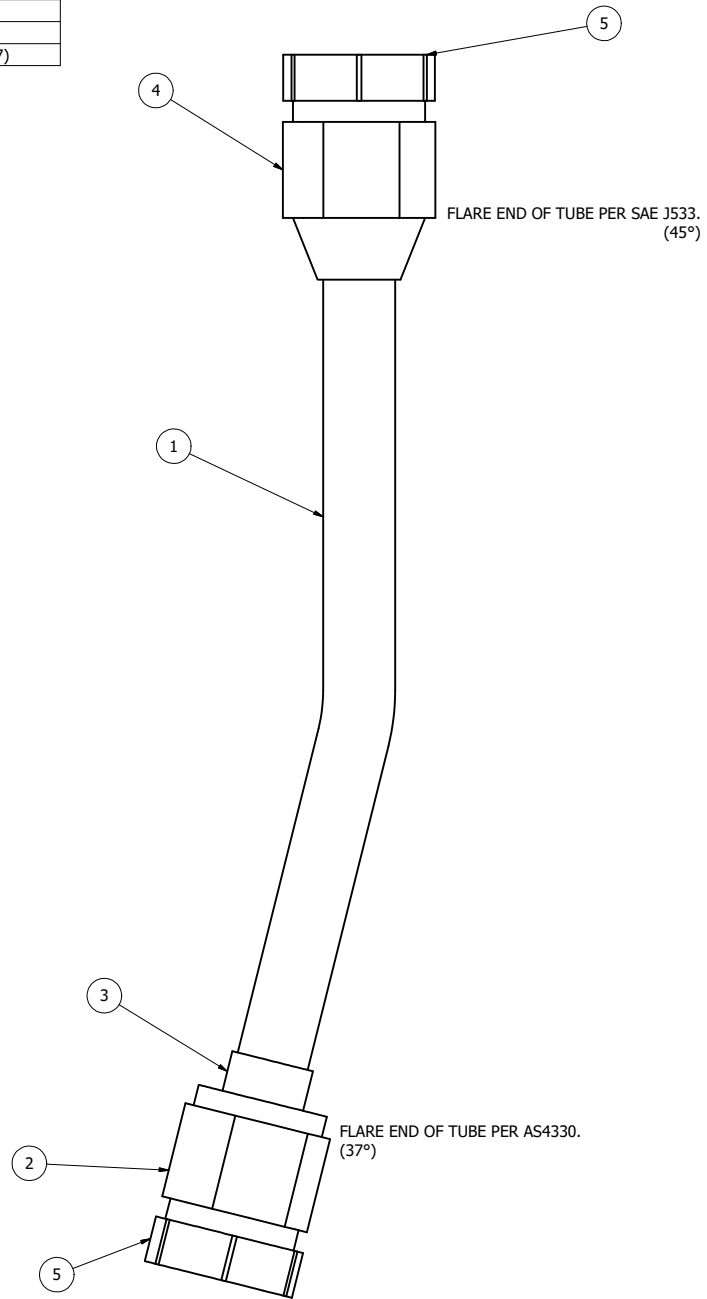
Paravion® Technology Inc.
✓
DIMENSIONS IN INCHES
TOLERANCES EXCEPT WHERE NOTED:
.X = ± .1
.XX = ± .05
.XXX = ± .010
ANGLES = ± 1°
THREADS:
INTERNAL CLASS 2B
EXTERNAL CLASS 2A

TITLE PLUMBING TUBE ASSEMBLIES				DRAWING NUMBER 505AC-5430	
DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K	ECO
3RD ANGLE PROJECTION				SHEET 22 OF 37	

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PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-21	TUBE
2	1	AN818-6D	FLARED NUT
3	1	AN819-6D	SLEEVE
4	1	ES43100-2	FLARE NUT 45°
5	2	PD60	CAPLUG 3/8" X 9/16-18 (ALT: 086137)

-30 TUBE ASSEMBLY



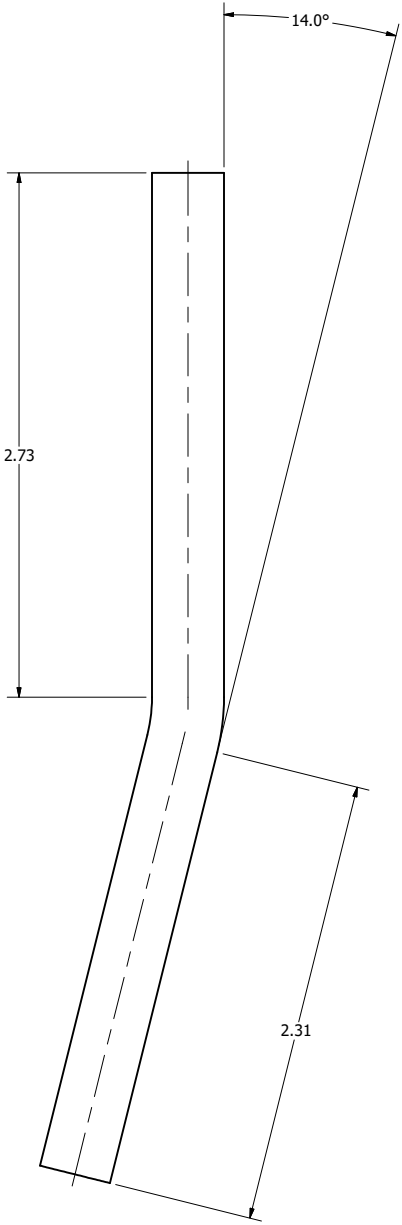
Paravion® Inc. Technology		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		REV K	ECO
3RD ANGLE PROJECTION		SHEET 23 OF 37			

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REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	2.73	0.0	14.0	1.00	0.24	2.73	0	14

FINAL TUBE SEGMENT LENGTH = 2.31 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 5.28 INCHES



-21 TUBE

MATERIAL: 5052-0 AL, 3/8 X 0.035W SEAMLESS PER WW-T-700/4

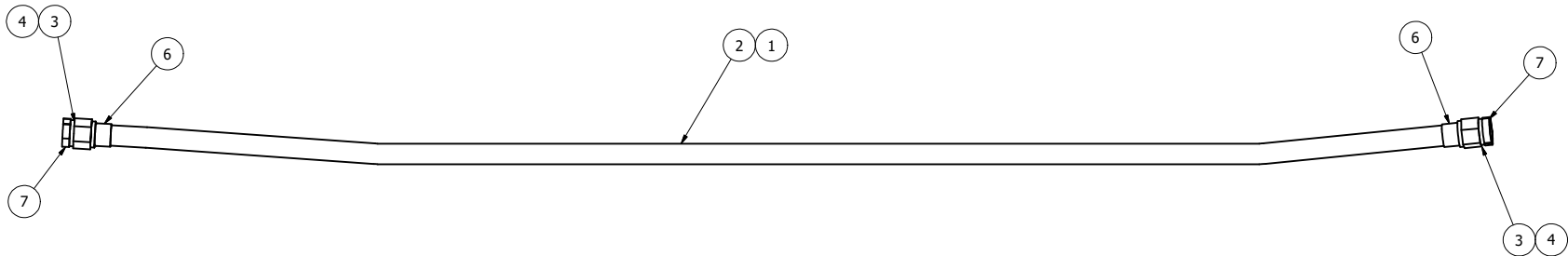
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DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K	ECO
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				SHEET 24 OF 37	

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-36	TUBE
2	1	505AC-5430-38	FIRE SLEEVE
3	2	AN818-8D	NUT
4	2	AN819-8D	SLEEVE
6	2	ES39502-2	FERRULE
7	2	PD80	CAPLUG - 1/2" X 3/4-16

NOTE:
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.



-37 TUBE ASSEMBLY

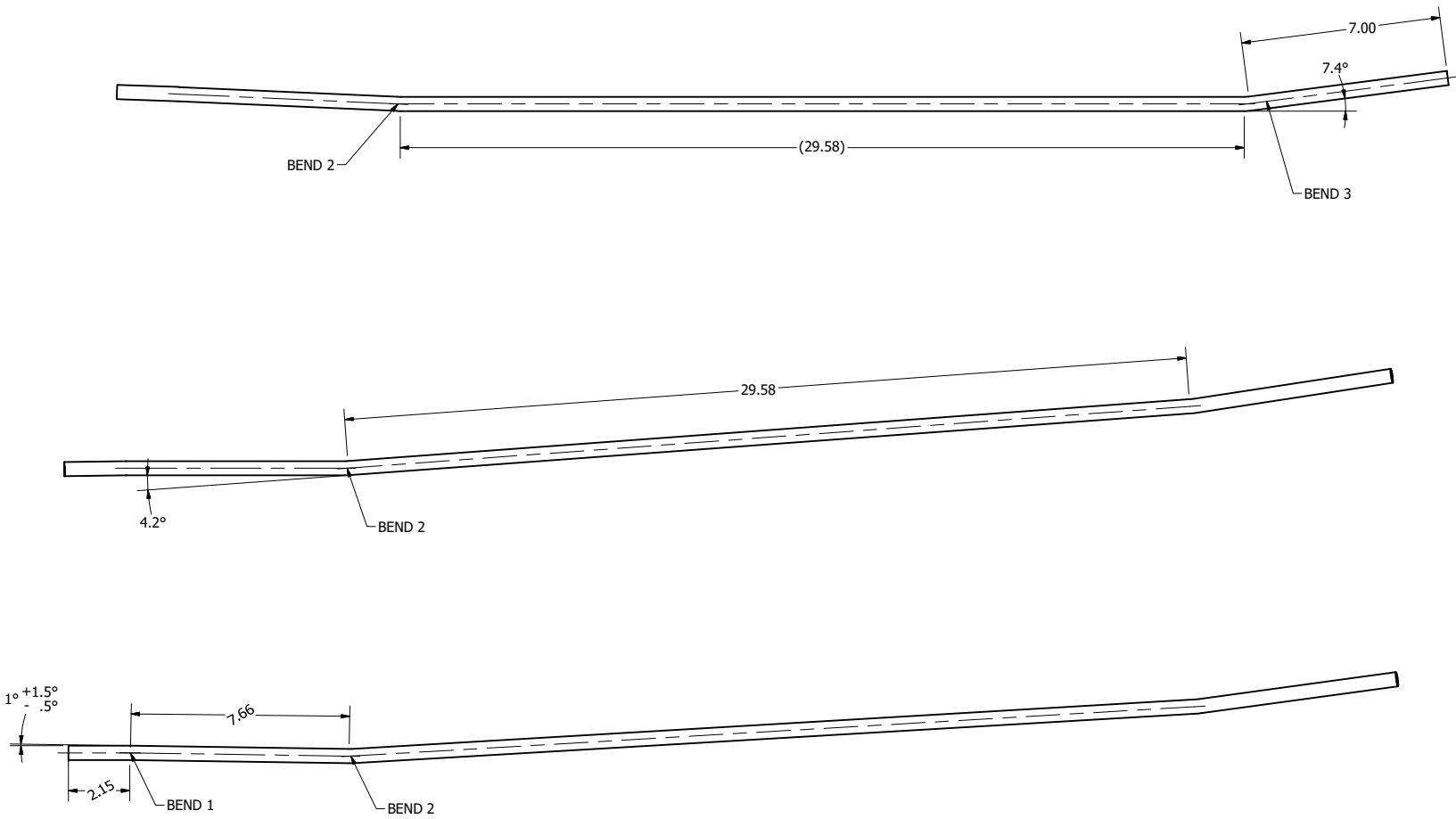
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PROTO

Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		REV K	ECO
3RD ANGLE PROJECTION		SHEET 25 OF 37			

REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	2.15	0.0	1.0	1.50	0.03	2.15	0	1.0
2	9.84	180.0	4.2	1.50	0.11	7.66	180	4.2
3	39.53	127.4	7.4	1.50	0.19	29.58	52.6	7.4

FINAL TUBE SEGMENT LENGTH = 7.00 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 46.72 INCHES



-36 TUBE
MATERIAL: 5052-0 AL, 1/2 X 0.035W SEAMLESS PER WW-T-700/4

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PROTO

Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		REV K	ECO SHEET 26 OF 37

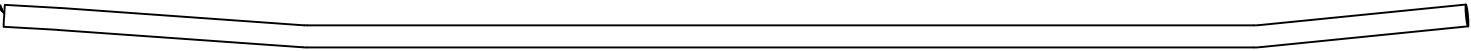
-38 FIRESLEEVE

MATERIAL:
BH7 OR EQUIV. PER AS1072 AND UL94 V1 BURN
TEST. A FIBERGLASS/SILICONE RUBBER MATERIAL.

CUT LENGTH: 45.80"

- NOTES:
- 1. APPLY END DIP TO FIRESLEEVE ENDS, PARKER P/N 5027 (OR EQUIV.).
 - 2. FIRESLEEVE: BENTLY HARRIS
241 SELSH POOL RD
LOINVILLE, PA. 19353
(610)363-2600

1 BOTH ENDS



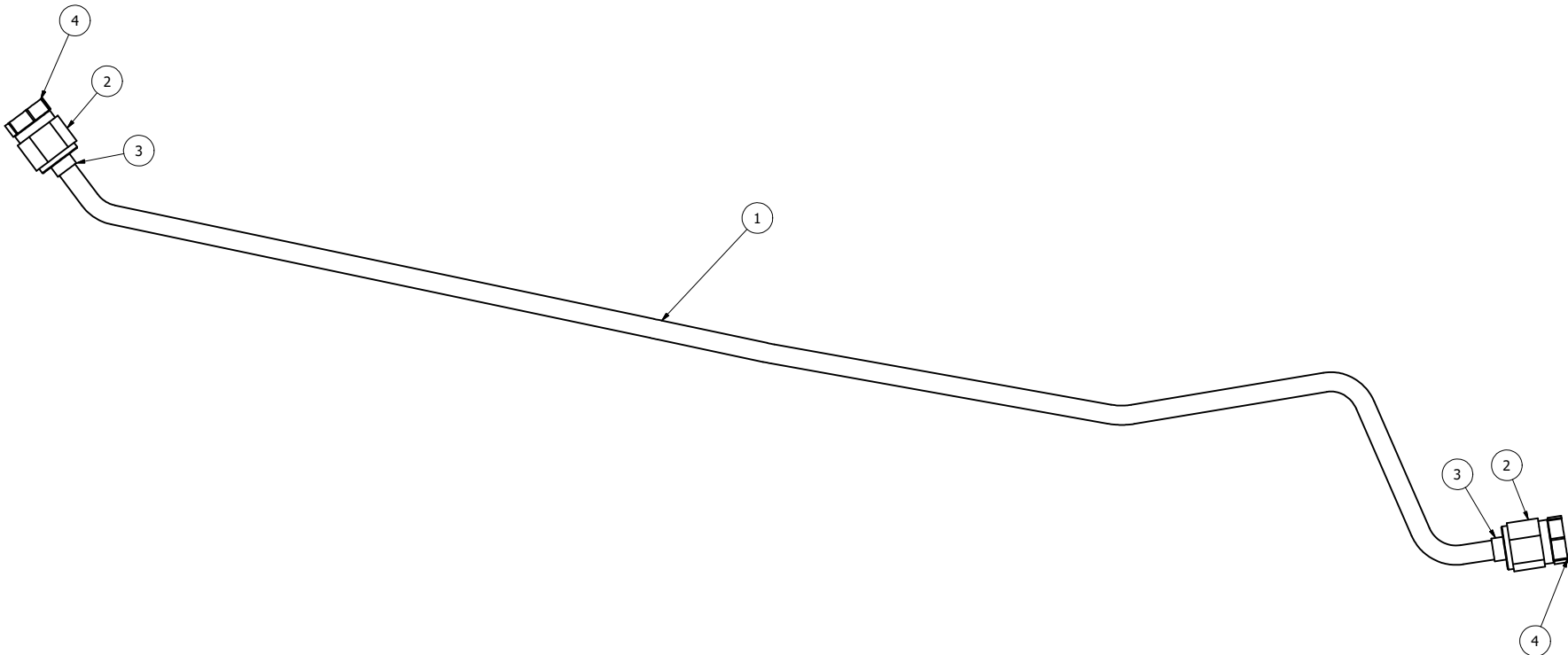
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PROTO

Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV
.X = ± .1		KEW	LS	JT	6/17/16	K
.XX = ± .05		DO NOT SCALE DRAWING				SHEET
.XXX = ± .010		©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				27 OF 37
ANGLES=± 1°		3RD ANGLE PROJECTION				
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A						

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-39	TUBE
2	2	AN818-4D	NUT
3	2	AN819-4D	SLEEVE
4	2	PD40	CAPLUG - 1/4" X 7/16-20

NOTE:
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.



-40 TUBE ASSEMBLY

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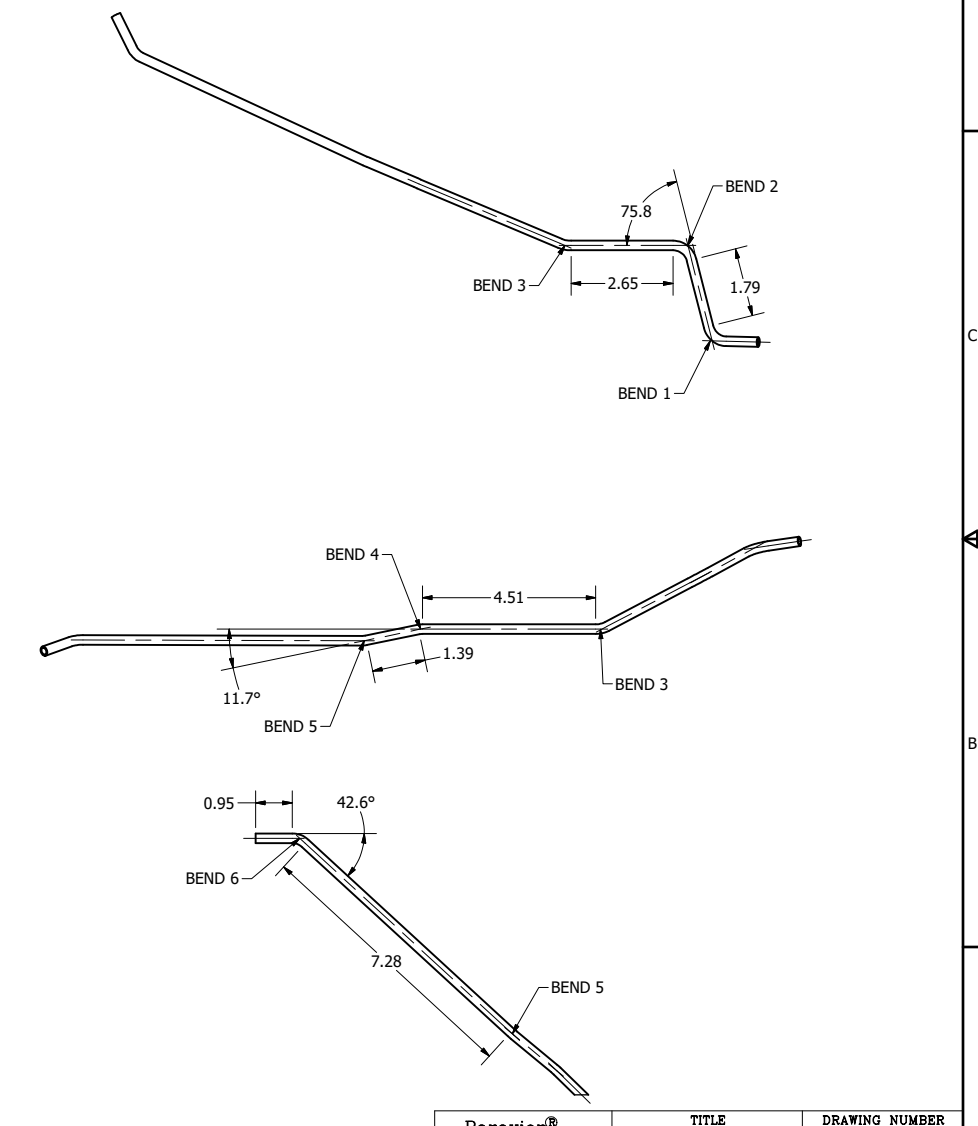
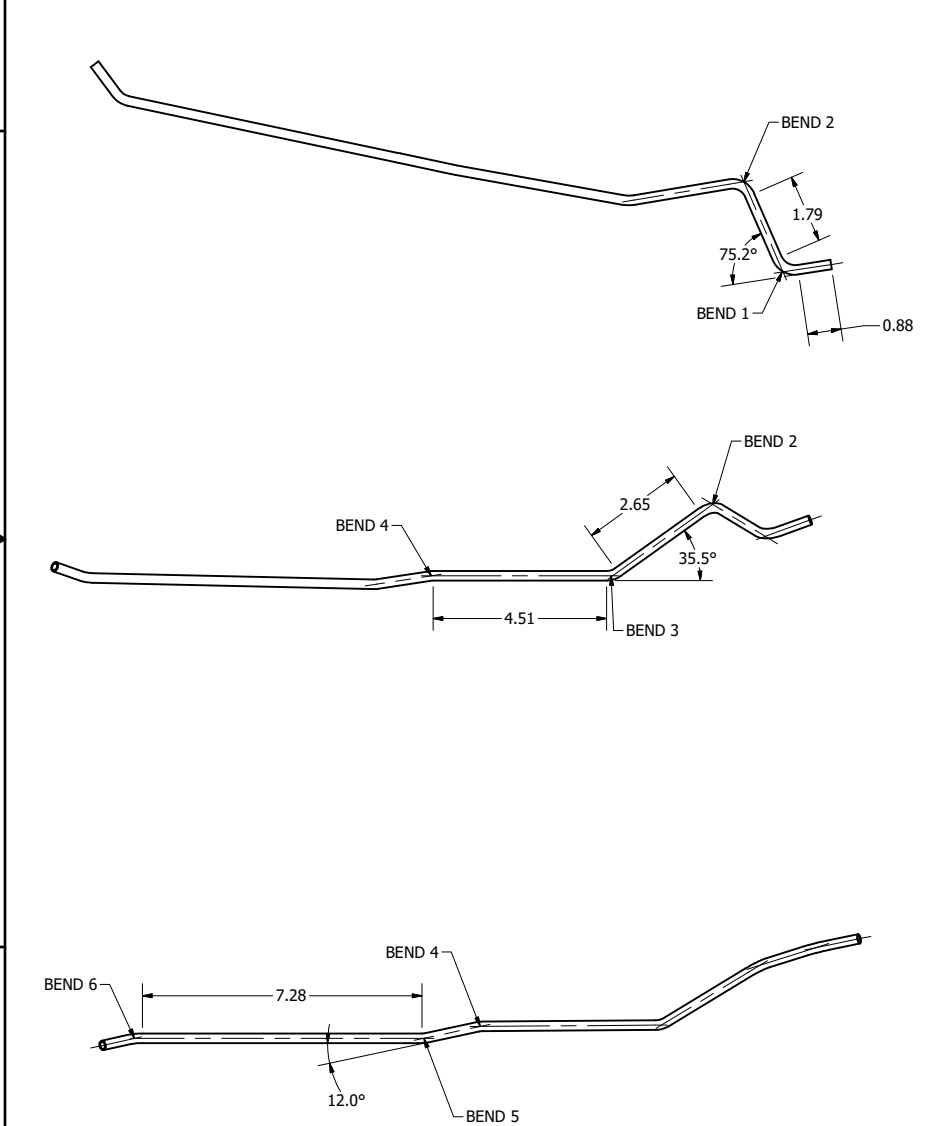
Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		SHEET 28 OF 37		

REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	0.88	0.0	75.2	0.50	0.66	0.88	0	75.2
2	3.33	161.2	75.8	0.50	0.66	1.79	-161.2	75.8
3	6.64	287.5	35.5	0.50	0.31	2.65	-126.3	35.5
4	11.46	65.0	11.7	0.50	0.10	4.51	-137.5	11.7
5	12.95	253.5	12.0	0.50	0.10	1.39	171.5	12.0
6	20.34	357.4	42.6	0.50	0.37	7.28	-103.9	42.6

FINAL TUBE SEGMENT LENGTH = 0.95 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 21.66 INCHES

-39 TUBE

MATERIAL: 5052-0 AL, 1/4 X 0.035W SEAMLESS PER WW-T-700/4



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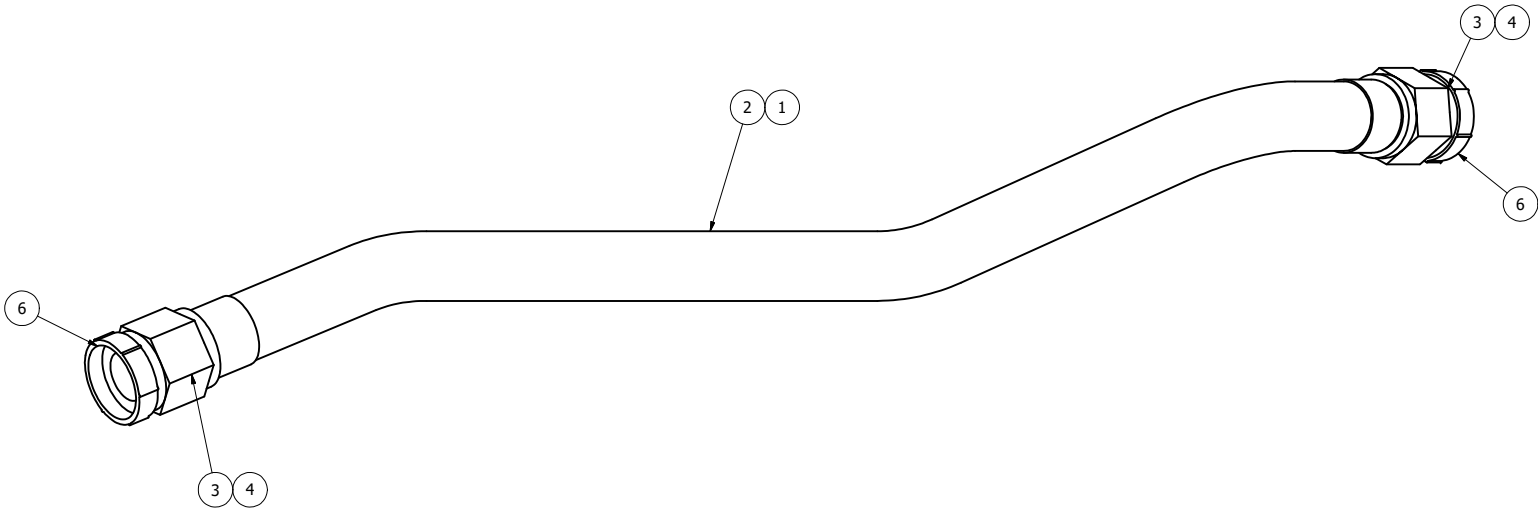
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Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV
.X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		KEW	LS	JT	6/17/16	K
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				SHEET 29 OF 37



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-42	TUBE
2	1	505AC-5430-43	FIRESLLEEVE (BLACK)
3	2	AN818-8D	NUT
4	2	AN819-8D	SLEEVE
5	2	ES39502-2	FERRULE
6	2	PD80	CAPLUG - 1/2" X 3/4-16

NOTE:
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.
BLACK FIRESLLEEVE



-41 TUBE ASSEMBLY

Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		REV K	ECO
3RD ANGLE PROJECTION		SHEET 30 OF 37			

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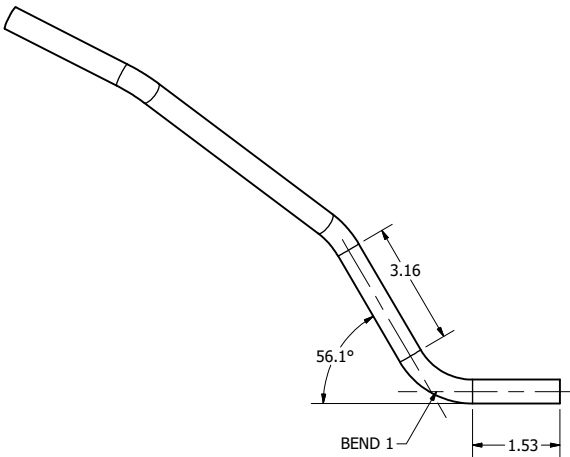
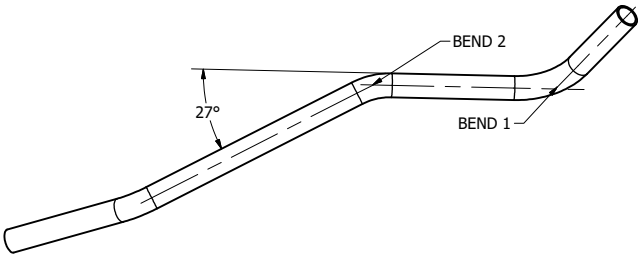
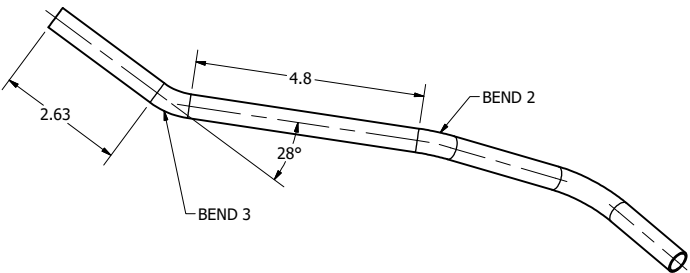
PROTO

REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	1.53	0.0	56.1	1.50	1.47	1.53	0	56.1
2	6.16	133.2	27.0	1.50	0.71	3.16	-133.2	27.0
3	11.69	245.4	28.0	1.50	0.73	4.80	-112.2	28.0

FINAL TUBE SEGMENT LENGTH = 2.63 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 15.05 INCHES

-42 TUBE

MATERIAL: 5052-0 AL, 1/2 X 0.035W SEAMLESS PER WW-T-700/4



Paravion [®] Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS JT	APRVD. BY 6/17/16	DATE K
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		SHEET 31 OF 37	

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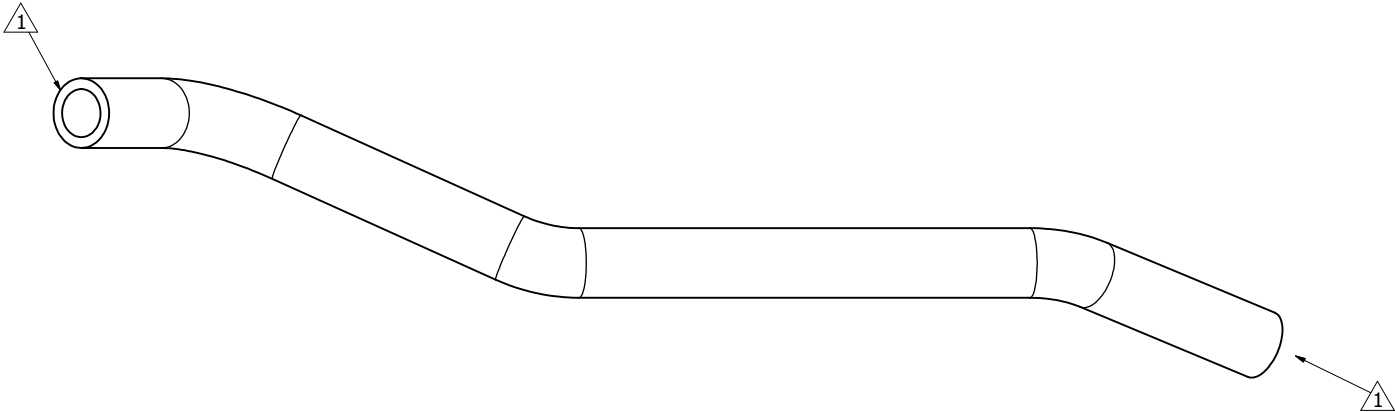
3RD ANGLE PROJECTION

-43 FIRESLEEVE

MATERIAL:
18050-X THERMOTEC COOL-IT BLACK FIRE SLEEVE (1/2" DIA) OR EQUIV. PER AS1072
AND UL94 V1 BURN TEST. A FIBERGLASS/SILICONE RUBBER MATERIAL.

CUT LENGTH: 14.37"

- NOTES:
- 1. APPLY END DIP TO FIRESLEEVE ENDS, PARKER P/N 5027 (OR EQUIV.).
 - 2. FIRESLEEVE: THERMO-TEC AUTOMOTIVE PRODUCTS
P.O. BOX 96
GREENWICH, OH 44837
(800) 274-8437



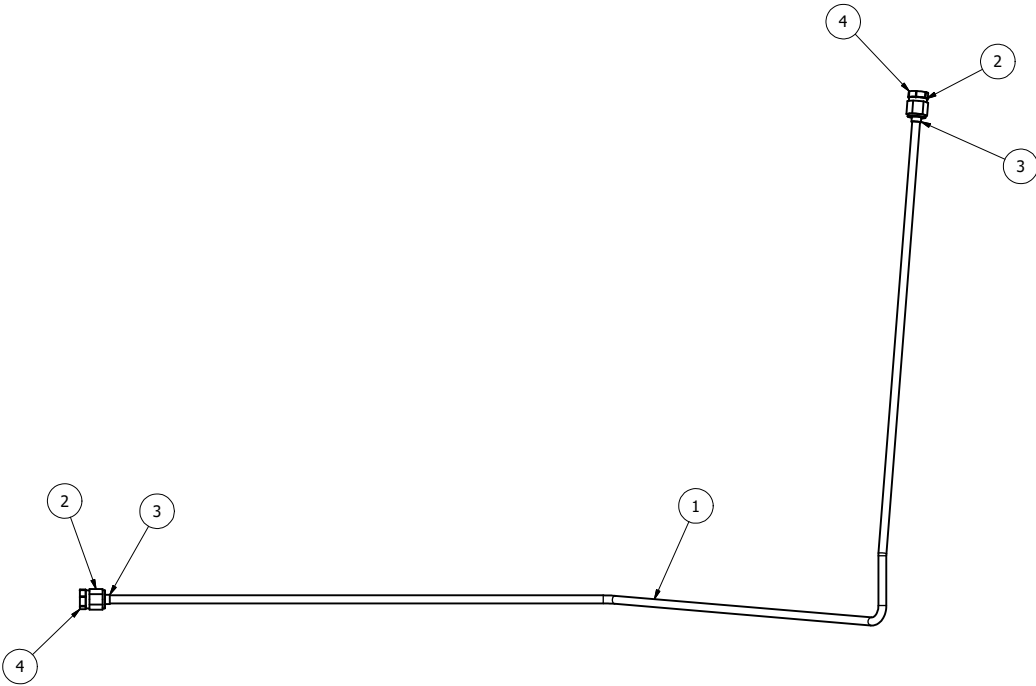
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DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		SHEET 32 OF 37		

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-45	TUBE
2	2	AN818-4D	NUT
3	2	AN819-4D	SLEEVE
4	2	PD40	CAPLUG - 1/4" X 7/16-20

NOTE:
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.



-44 TUBE ASSEMBLY

Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		REV K	ECO 33 OF 37

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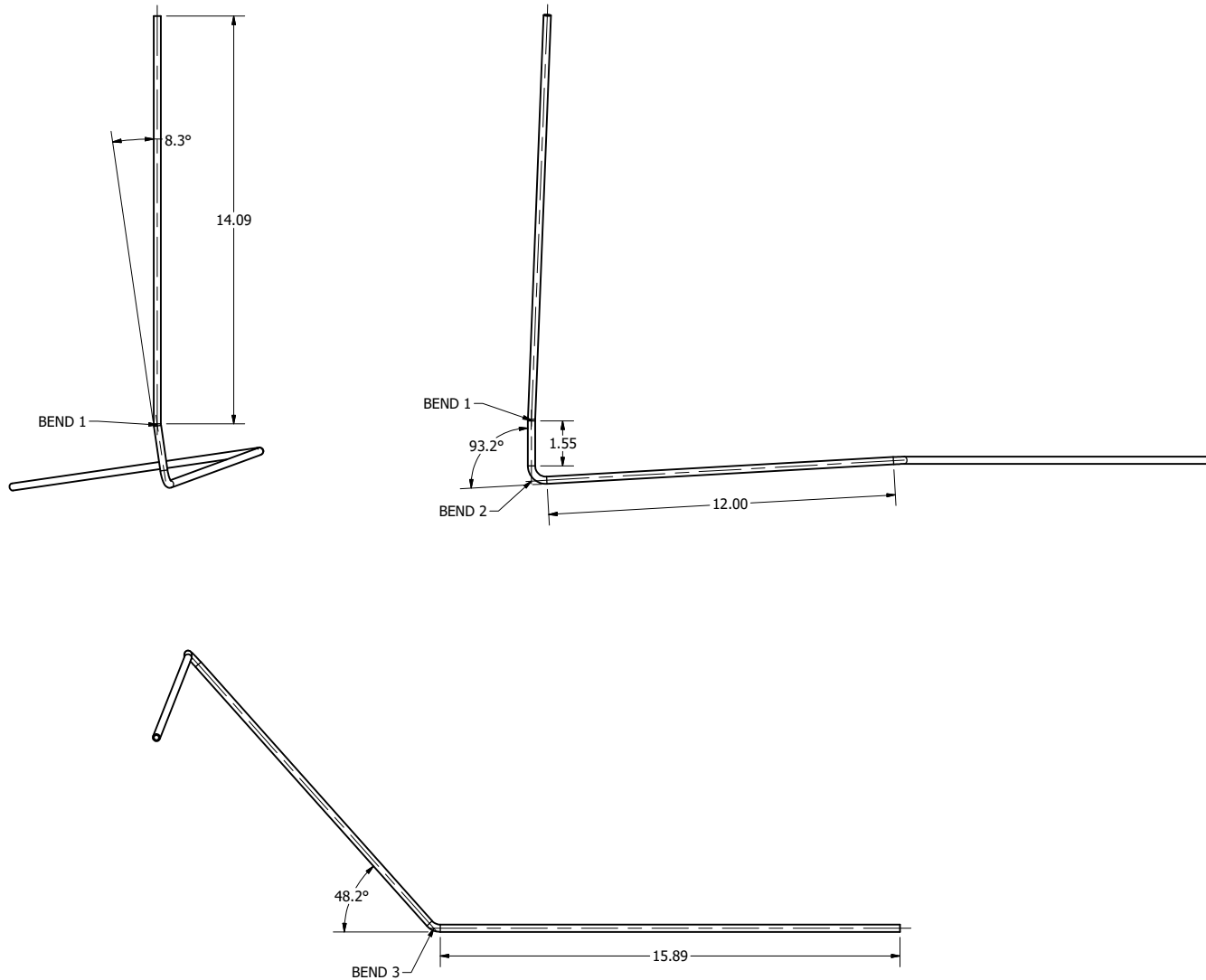


REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	14.09	0.0	8.3	0.50	0.07	14.09	0	8.3
2	15.71	74.4	93.2	0.50	0.81	1.55	-74.4	93.2
3	28.53	167.3	48.2	0.50	0.42	12.00	-92.9	48.2

FINAL TUBE SEGMENT LENGTH = 15.90 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 44.85 INCHES

-45 TUBE

MATERIAL: 5052-0 AL, 1/4 X 0.035W SEAMLESS PER WW-T-700/4



Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		REV K	ECO
3RD ANGLE PROJECTION		SHEET 34 OF 37			

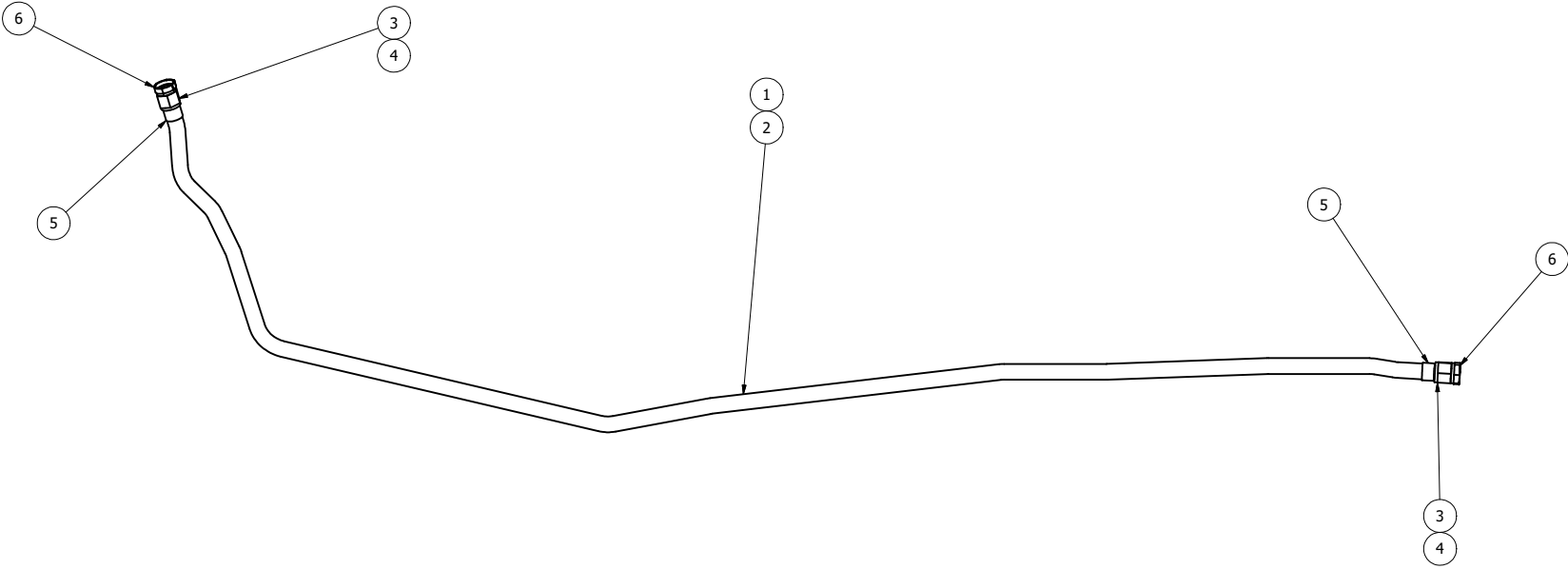
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PROTO

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5430-50	TUBE
2	1	505AC-5430-51	FIRE SLEEVE
3	2	AN818-8D	NUT
4	2	AN819-8D	SLEEVE
5	2	ES39502-2	FERRULE
6	2	PD80	CAPLUG - 1/2" X 3/4-16

NOTE:
FLARE BOTH ENDS OF TUBE PER A54330 AT ASSEMBLY.

-18 TUBE ASSEMBLY



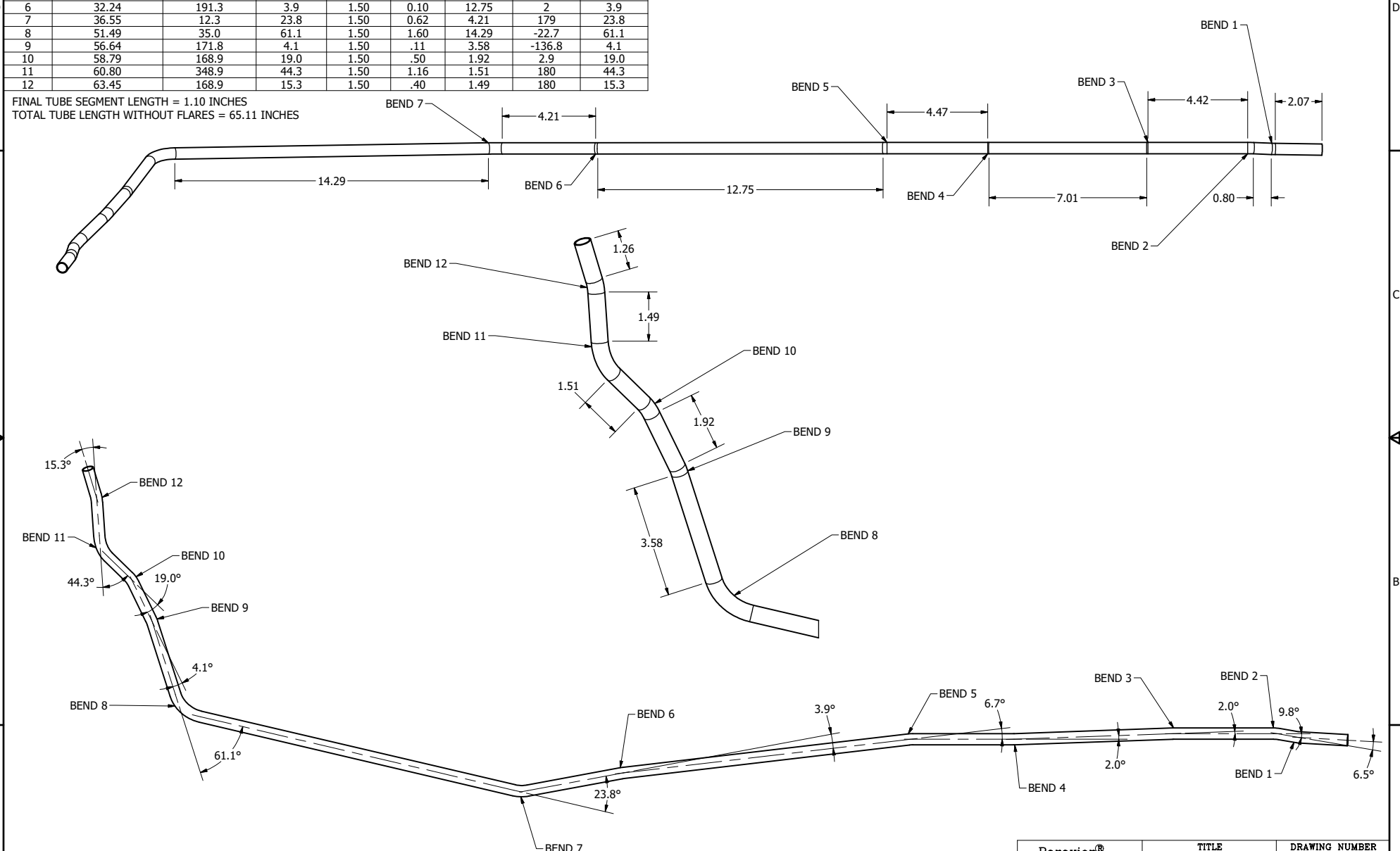
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DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16	REV K
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		3RD ANGLE PROJECTION		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		
				SHEET 35 OF 37		

REFERENCE MANUFACTURING BEND TABLE								
BEND NO.	FROM 0.0, LENGTH TO BEND START	TANGENT ANGLE SETTING	BEND ANGLE DEG.	BEND RADIUS	ARC LENGTH	Y	B	C
1	2.07	0.0	6.5	1.50	0.17	2.07	0	6.5
2	3.05	180.0	9.8	1.50	0.26	0.80	180	9.8
3	7.73	193.3	2.0	1.50	0.05	4.42	-13.3	2.0
4	14.79	13.3	2.0	1.50	0.05	7.01	180	2.0
5	19.31	193.3	6.7	1.50	0.18	4.47	180	6.7
6	32.24	191.3	3.9	1.50	0.10	12.75	2	3.9
7	36.55	12.3	23.8	1.50	0.62	4.21	179	23.8
8	51.49	35.0	61.1	1.50	1.60	14.29	-22.7	61.1
9	56.64	171.8	4.1	1.50	.11	3.58	-136.8	4.1
10	58.79	168.9	19.0	1.50	.50	1.92	2.9	19.0
11	60.80	348.9	44.3	1.50	1.16	1.51	180	44.3
12	63.45	168.9	15.3	1.50	.40	1.49	180	15.3

FINAL TUBE SEGMENT LENGTH = 1.10 INCHES
TOTAL TUBE LENGTH WITHOUT FLARES = 65.11 INCHES



Paravion® Technology Inc.		TITLE PLUMBING TUBE ASSEMBLIES		DRAWING NUMBER 505AC-5430	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 6/17/16
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		REV K	ECO SHEET 36 OF 37

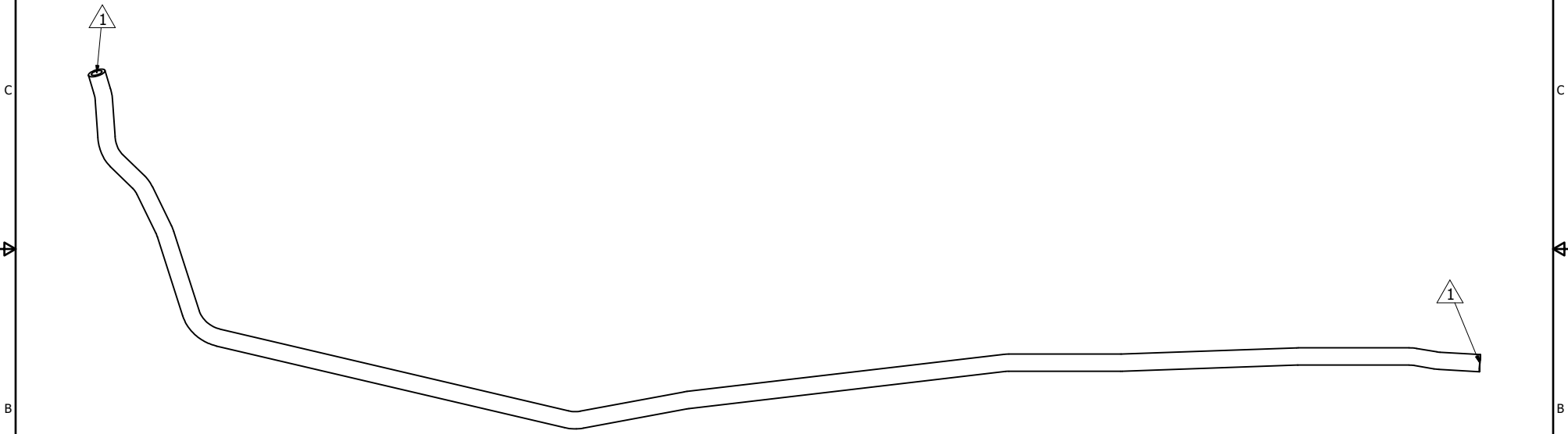
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-51 FIRESLEEVE

MATERIAL:
BH7 OR EQUIV. PER AS1072 AND UL94 V1 BURN TEST.
A FIBERGLASS/SILICONE RUBBER MATERIAL.

CUT LENGTH: 64.51"

- NOTES:
- 1. APPLY END DIP TO FIRESLEEVE ENDS, PARKER P/N 5027 (OR EQUIV.).
 - 2. FIRESLEEVE: BENTLY HARRIS
241 SELSH POOL RD
LOINVILLE, PA. 19353
(610)363-2600



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THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING ©2022 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		SHEET 37 OF 37		